

External Power Supplies Family QP List

List Current as of 1/13/09

*Number in parentheses indicates output voltage in Volts

**Power supplies with greater than or equal to 100W input power must have a true power factor of 0.9 or greater at 100% of rated load when tested at 115 volts @ 60Hz.

| Company Name | Family Name | Models In Family* | Power Supply Type | Nameplate AC Input Voltage (V) | Nameplate AC Input Frequency (Hz) | Product Family Nameplate Output Power (W) | Low Voltage Model Nameplate DC Output Voltage (VDC) | Low Voltage No-Load Input Power 115V @ 60Hz (W) | Low Voltage Average Active Efficiency 115V @ 60Hz (%) | Low Voltage True Power Factor at 100% of Rated Load (115)** | Low Voltage No Load Input Power 230V @ 50Hz (W) | Low Voltage Average Active Efficiency 230V @ 50Hz (%) | High Voltage Model Nameplate DC Output Voltage (VDC) | High Voltage No-Load Input Power 115V @ 60Hz (W) | High Voltage Average Active Efficiency 115V @ 60Hz (%) | High Voltage True Power Factor at 100% of Rated Load (115V)** | High Voltage No Load Input Power 230V @ 50Hz (W) | High Voltage Average Active Efficiency 230V @ 50Hz (%) |
|------------------------|-----------------|--|--|--------------------------------|-----------------------------------|---|---|---|---|---|---|---|--|--|--|---|--|--|
| Delta Electronics Inc. | ADP-40MH Family | ADP-40MH XBXX (19),ADP-40MH XCXX (20),ADP-40MH XAXX (19),ADP-40MH XDXX (20) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 40 Watts | 18.5 Voltage | 0.13 Watts | 87.68 | 0.46 W/VA | 0.17 Watts | 86.78 | 18.5 Voltage | 0.11 Watts | 87.99 | 0.48 W/VA | 0.17 Watts | 87.99 |
| Delta Electronics Inc. | ADP-40MH Family | ADP-40MH XBXX (19),ADP-40MH XCXX (20),ADP-40MH XAXX (19),ADP-40MH XDXX (20) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 40 Watts | 19.5 Voltage | 0.13 Watts | 87.68 | 0.46 W/VA | 0.17 Watts | 86.78 | 19.5 Voltage | 0.11 Watts | 87.99 | 0.48 W/VA | 0.17 Watts | 87.99 |
| Delta Electronics Inc. | ADP-40MH Family | ADP-40MH XBXX (19),ADP-40MH XCXX (20),ADP-40MH XAXX (19),ADP-40MH XDXX (20) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 40 Watts | 19 Voltage | 0.13 Watts | 87.68 | 0.46 W/VA | 0.17 Watts | 86.78 | 19 Voltage | 0.11 Watts | 87.99 | 0.48 W/VA | 0.17 Watts | 87.99 |
| Delta Electronics Inc. | ADP-40MH Family | ADP-40MH XBXX (19),ADP-40MH XCXX (20),ADP-40MH XAXX (19),ADP-40MH XDXX (20) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 40 Watts | 20 Voltage | 0.13 Watts | 87.68 | 0.46 W/VA | 0.17 Watts | 86.78 | 20 Voltage | 0.11 Watts | 87.99 | 0.48 W/VA | 0.17 Watts | 87.99 |
| Delta Electronics Inc. | ADP-40MH Series | ADP-40MH XBXXX (19),ADP-40MH XAXXX (19),SADP-65KB XDXXX (20),SADP-65KB XBXXX (19),SADP-65KB XCXXX (20),ADP-40MH XAXXX (20),ADP-40MH XDXXX (20) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 40 Watts | 18.5 Voltage | 0.13 Watts | 87.76 | 0.46 W/VA | 0.17 Watts | 86.8 | 18.5 Voltage | 0.11 Watts | 87.99 | 0.48 W/VA | 0.16 Watts | 87.99 |
| Delta Electronics Inc. | ADP-40MH Series | ADP-40MH XBXXX (19),ADP-40MH XAXXX (19),SADP-65KB XDXXX (20),SADP-65KB XBXXX (19),SADP-65KB XCXXX (20),ADP-40MH XAXXX (20),ADP-40MH XDXXX (20) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 40 Watts | 19.0 Voltage | 0.13 Watts | 87.76 | 0.46 W/VA | 0.17 Watts | 86.8 | 19.0 Voltage | 0.11 Watts | 87.99 | 0.48 W/VA | 0.16 Watts | 87.99 |
| Delta Electronics Inc. | ADP-40MH Series | ADP-40MH XBXXX (19),ADP-40MH XAXXX (19),SADP-65KB XDXXX (20),SADP-65KB XBXXX (19),SADP-65KB XCXXX (20),ADP-40MH XAXXX (20),ADP-40MH XDXXX (20) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 40 Watts | 19.5 Voltage | 0.13 Watts | 87.76 | 0.46 W/VA | 0.17 Watts | 86.8 | 19.5 Voltage | 0.11 Watts | 87.99 | 0.48 W/VA | 0.16 Watts | 87.99 |

| Company Name | Family Name | Models In Family* | Power Supply Type | Nameplate AC Input Voltage (V) | Nameplate AC Input Frequency (Hz) | Product Family Nameplate Output Power (W) | Low Voltage Model Nameplate DC Output Voltage (VDC) | Low Voltage No-Load Input Power 115V @ 60Hz (W) | Low Voltage Average Active Efficiency 115V @ 60Hz (%) | Low Voltage True Power Factor at 100% of Rated Load (115V)** | Low Voltage No Load Input Power 230V @ 50Hz (W) | Low Voltage Average Active Efficiency 230V @ 50Hz (%) | High Voltage Model Nameplate DC Output Voltage (VDC) | High Voltage No-Load Input Power 115V @ 60Hz (W) | High Voltage Average Active Efficiency 115V @ 60Hz (%) | High Voltage True Power Factor at 100% of Rated Load (115V)** | High Voltage No Load Input Power 230V @ 50Hz (W) | High Voltage Average Active Efficiency 230V @ 50Hz (%) |
|------------------------|-----------------|--|--|--------------------------------|-----------------------------------|---|---|---|---|--|---|---|--|--|--|---|--|--|
| Delta Electronics Inc. | ADP-40MH Series | ADP-40MH XBXXX (19),ADP-40MH XAXXX (19),SADP-65KB XDXXX (20),SADP-65KB XBXXX (19),SADP-65KB XCXXX (20),ADP-40MH XCXXX (20),ADP-40MH XDXXX (20) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 40 Watts | 20.0 Voltage | 0.13 Watts | 87.76 | 0.46 W/VA | 0.17 Watts | 86.8 | 20.0 Voltage | 0.11 Watts | 87.99 | 0.48 W/VA | 0.16 Watts | 87.99 |
| Delta Electronics Inc. | ADP-40MH Series | ADP-40MH XBXXX (19),ADP-40MH XAXXX (19),SADP-65KB XDXXX (20),SADP-65KB XBXXX (19),SADP-65KB XCXXX (20),ADP-40MH XCXXX (20),ADP-40MH XDXXX (20) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 65 Watts | 19.5 Voltage | .22 Watts | 89.21 | .52 W/VA | .44 Watts | 88.59 | 19.5 Voltage | .21 Watts | 89 | .52 W/VA | .4 Watts | 88.75 |
| Delta Electronics Inc. | ADP-40MH Series | ADP-40MH XBXXX (19),ADP-40MH XAXXX (19),SADP-65KB XDXXX (20),SADP-65KB XBXXX (19),SADP-65KB XCXXX (20),ADP-40MH XCXXX (20),ADP-40MH XDXXX (20) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 65 Watts | 19 Voltage | .22 Watts | 89.21 | .52 W/VA | .44 Watts | 88.59 | 19 Voltage | .21 Watts | 89 | .52 W/VA | .4 Watts | 88.75 |
| Delta Electronics Inc. | ADP-40MH Series | ADP-40MH XBXXX (19),ADP-40MH XAXXX (19),SADP-65KB XDXXX (20),SADP-65KB XBXXX (19),SADP-65KB XCXXX (20),ADP-40MH XCXXX (20),ADP-40MH XDXXX (20) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 65 Watts | 20.0 Voltage | .22 Watts | 89.21 | .52 W/VA | .44 Watts | 88.59 | 20.0 Voltage | .21 Watts | 89 | .52 W/VA | .4 Watts | 88.75 |
| Delta Electronics Inc. | ADP-65HB Family | ADP-65HB XAXX (19),ADP-65HB XDX (20),ADP-65HB XBXX (19),ADP-65HB XCXX (20) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 65 Watts | 18.5 Voltage | 0.15 Watts | 88.75 | 0.53 W/VA | 0.22 Watts | 88.84 | 18.5 Voltage | 0.14 Watts | 88.93 | 0.53 W/VA | 0.2 Watts | 88.91 |
| Delta Electronics Inc. | ADP-65HB Family | ADP-65HB XAXX (19),ADP-65HB XDX (20),ADP-65HB XBXX (19),ADP-65HB XCXX (20) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 65 Watts | 19.5 Voltage | 0.15 Watts | 88.75 | 0.53 W/VA | 0.22 Watts | 88.84 | 19.5 Voltage | 0.14 Watts | 88.93 | 0.53 W/VA | 0.2 Watts | 88.91 |
| Delta Electronics Inc. | ADP-65HB Family | ADP-65HB XAXX (19),ADP-65HB XDX (20),ADP-65HB XBXX (19),ADP-65HB XCXX (20) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 65 Watts | 19 Voltage | 0.15 Watts | 88.75 | 0.53 W/VA | 0.22 Watts | 88.84 | 19 Voltage | 0.14 Watts | 88.93 | 0.53 W/VA | 0.2 Watts | 88.91 |
| Delta Electronics Inc. | ADP-65HB Family | ADP-65HB XAXX (19),ADP-65HB XDX (20),ADP-65HB XBXX (19),ADP-65HB XCXX (20) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 65 Watts | 20 Voltage | 0.15 Watts | 88.75 | 0.53 W/VA | 0.22 Watts | 88.84 | 20 Voltage | 0.14 Watts | 88.93 | 0.53 W/VA | 0.2 Watts | 88.91 |

| Company Name | Family Name | Models In Family* | Power Supply Type | Nameplate AC Input Voltage (V) | Nameplate AC Input Frequency (Hz) | Product Family Nameplate Output Power (W) | Low Voltage Model Nameplate DC Output Voltage (VDC) | Low Voltage No-Load Input Power 115V @ 60Hz (W) | Low Voltage Average Active Efficiency 115V @ 60Hz (%) | Low Voltage True Power Factor at 100% of Rated Load (115V)** | Low Voltage No Load Input Power 230V @ 50Hz (W) | Low Voltage Average Active Efficiency 230V @ 50Hz (%) | High Voltage Model Nameplate DC Output Voltage (VDC) | High Voltage No-Load Input Power 115V @ 60Hz (W) | High Voltage Average Active Efficiency 115V @ 60Hz (%) | High Voltage True Power Factor at 100% of Rated Load (115V)** | High Voltage No Load Input Power 230V @ 50Hz (W) | High Voltage Average Active Efficiency 230V @ 50Hz (%) |
|-------------------------|------------------|---|--|--------------------------------|-----------------------------------|---|---|---|---|--|---|---|--|--|--|---|--|--|
| Delta Electronics Inc. | ADP-65JH Family | ADP-65JH XBXX (19),ADP-65JH XDXX (20),ADP-65JH XCXX (20) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 65 Watts | 19.5 Voltage | 0.16 Watts | 88.52 | 0.53 W/VA | 0.19 Watts | 88.48 | 19.5 Voltage | 0.14 Watts | 88.14 | 0.53 W/VA | 0.2 Watts | 87.64 |
| Delta Electronics Inc. | ADP-65JH Family | ADP-65JH XBXX (19),ADP-65JH XDXX (20),ADP-65JH XCXX (20) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 65 Watts | 19 Voltage | 0.16 Watts | 88.52 | 0.53 W/VA | 0.19 Watts | 88.48 | 19 Voltage | 0.14 Watts | 88.14 | 0.53 W/VA | 0.2 Watts | 87.64 |
| Delta Electronics Inc. | ADP-65JH Family | ADP-65JH XBXX (19),ADP-65JH XDXX (20),ADP-65JH XCXX (20) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 65 Watts | 20 Voltage | 0.16 Watts | 88.52 | 0.53 W/VA | 0.19 Watts | 88.48 | 20 Voltage | 0.14 Watts | 88.14 | 0.53 W/VA | 0.2 Watts | 87.64 |
| Delta Electronics Inc. | SADP-65KB Family | SADP-65KB XBXX (19),SADP-65KB XCXX (20),SADP-65KB XFXX (19),SADP-65KB XDXX (20),SADP-65KB XAXX (19) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 65 Watts | 18.5 Voltage | 0.21 Watts | 89.17 | 0.52 W/VA | 0.45 Watts | 88.66 | 18.5 Voltage | 0.21 Watts | 89.22 | 0.52 W/VA | 0.41 Watts | 89.03 |
| Delta Electronics Inc. | SADP-65KB Family | SADP-65KB XBXX (19),SADP-65KB XCXX (20),SADP-65KB XFXX (19),SADP-65KB XDXX (20),SADP-65KB XAXX (19) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 65 Watts | 19.0 Voltage | 0.21 Watts | 89.17 | 0.52 W/VA | 0.45 Watts | 88.66 | 19.0 Voltage | 0.21 Watts | 89.22 | 0.52 W/VA | 0.41 Watts | 89.03 |
| Delta Electronics Inc. | SADP-65KB Family | SADP-65KB XBXX (19),SADP-65KB XCXX (20),SADP-65KB XFXX (19),SADP-65KB XDXX (20),SADP-65KB XAXX (19) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 65 Watts | 19.5 Voltage | 0.21 Watts | 89.17 | 0.52 W/VA | 0.45 Watts | 88.66 | 19.5 Voltage | 0.21 Watts | 89.22 | 0.52 W/VA | 0.41 Watts | 89.03 |
| Delta Electronics Inc. | SADP-65KB Family | SADP-65KB XBXX (19),SADP-65KB XCXX (20),SADP-65KB XFXX (19),SADP-65KB XDXX (20),SADP-65KB XAXX (19) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 65 Watts | 20.0 Voltage | 0.21 Watts | 89.17 | 0.52 W/VA | 0.45 Watts | 88.66 | 20.0 Voltage | 0.21 Watts | 89.22 | 0.52 W/VA | 0.41 Watts | 89.03 |
| Elpac Electronics, Inc. | FPB100 | FPB100012 (12),FPB100018 (18),FPB100024 (24) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 100 Watts | 12 Voltage | 0.45 Watts | 87.27 | 0.99 W/VA | 0.5 Watts | 87.44 | 12 Voltage | 0.30 Watts | 88.44 | 0.99 W/VA | 0.43 Watts | 89.27 |
| Elpac Electronics, Inc. | FPB100 | FPB100012 (12),FPB100018 (18),FPB100024 (24) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 100 Watts | 18 Voltage | 0.45 Watts | 87.27 | 0.99 W/VA | 0.5 Watts | 87.44 | 18 Voltage | 0.30 Watts | 88.44 | 0.99 W/VA | 0.43 Watts | 89.27 |
| Elpac Electronics, Inc. | FPB100 | FPB100012 (12),FPB100018 (18),FPB100024 (24) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 100 Watts | 24 Voltage | 0.45 Watts | 87.27 | 0.99 W/VA | 0.5 Watts | 87.44 | 24 Voltage | 0.30 Watts | 88.44 | 0.99 W/VA | 0.43 Watts | 89.27 |
| Elpac Electronics, Inc. | FSA1500 | FSA150012 (12),FSA150024 (24),FSA150015 (15),FSA150018 (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 150 Watts | 12 Voltage | .36 Watts | 91.01 | .996 W/VA | .47 Watts | 92.5 | 12 Voltage | .4 Watts | 91.61 | .997 W/VA | .43 Watts | 93.19 |

| Company Name | Family Name | Models In Family* | Power Supply Type | Nameplate AC Input Voltage (V) | Nameplate AC Input Frequency (Hz) | Product Family Nameplate Output Power (W) | Low Voltage Model Nameplate DC Output Voltage (VDC) | Low Voltage No-Load Input Power 115V @ 60Hz (W) | Low Voltage Average Active Efficiency 115V @ 60Hz (%) | Low Voltage True Power Factor at 100% of Rated Load (115V)** | Low Voltage No Load Input Power 230V @ 50Hz (W) | Low Voltage Average Active Efficiency 230V @ 50Hz (%) | High Voltage Model Nameplate DC Output Voltage (VDC) | High Voltage No-Load Input Power 115V @ 60Hz (W) | High Voltage Average Active Efficiency 115V @ 60Hz (%) | High Voltage True Power Factor at 100% of Rated Load (115V)** | High Voltage No Load Input Power 230V @ 50Hz (W) | High Voltage Average Active Efficiency 230V @ 50Hz (%) |
|-------------------------|-------------|---|--|--------------------------------|-----------------------------------|---|---|---|---|--|---|---|--|--|--|---|--|--|
| Elpac Electronics, Inc. | FSA150 | FSA150012 (12),FSA150024 (24),FSA150015 (15),FSA150018 (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 150 Watts | 15 Voltage | .36 Watts | 91.01 | .996 W/VA | .47 Watts | 92.5 | 15 Voltage | .4 Watts | 91.61 | .997 W/VA | .43 Watts | 93.19 |
| Elpac Electronics, Inc. | FSA150 | FSA150012 (12),FSA150024 (24),FSA150015 (15),FSA150018 (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 150 Watts | 18 Voltage | .36 Watts | 91.01 | .996 W/VA | .47 Watts | 92.5 | 18 Voltage | .4 Watts | 91.61 | .997 W/VA | .43 Watts | 93.19 |
| Elpac Electronics, Inc. | FSA150 | FSA150012 (12),FSA150024 (24),FSA150015 (15),FSA150018 (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 150 Watts | 24 Voltage | .36 Watts | 91.01 | .996 W/VA | .47 Watts | 92.5 | 24 Voltage | .4 Watts | 91.61 | .997 W/VA | .43 Watts | 93.19 |
| Elpac Electronics, Inc. | FVA100 | FVA100024 (24),FVA100018 (18),FVA100015 (15),FVA100012 (12) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 100 Watts | 12 Voltage | .31 Watts | 88.03 | .992 W/VA | .49 Watts | 88.86 | 12 Voltage | .25 Watts | 88.4 | .992 W/VA | .42 Watts | 89.63 |
| Elpac Electronics, Inc. | FVA100 | FVA100024 (24),FVA100018 (18),FVA100015 (15),FVA100012 (12) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 100 Watts | 15 Voltage | .31 Watts | 88.03 | .992 W/VA | .49 Watts | 88.86 | 15 Voltage | .25 Watts | 88.4 | .992 W/VA | .42 Watts | 89.63 |
| Elpac Electronics, Inc. | FVA100 | FVA100024 (24),FVA100018 (18),FVA100015 (15),FVA100012 (12) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 100 Watts | 18 Voltage | .31 Watts | 88.03 | .992 W/VA | .49 Watts | 88.86 | 18 Voltage | .25 Watts | 88.4 | .992 W/VA | .42 Watts | 89.63 |
| Elpac Electronics, Inc. | FVA100 | FVA100024 (24),FVA100018 (18),FVA100015 (15),FVA100012 (12) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 100 Watts | 24 Voltage | .31 Watts | 88.03 | .992 W/VA | .49 Watts | 88.86 | 24 Voltage | .25 Watts | 88.4 | .992 W/VA | .42 Watts | 89.63 |
| Elpac Electronics, Inc. | FW18 | FW1824 (24),FW1805 (5),FW1818 (18),FW1812 (12) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 18 Watts | 12 Voltage | 0.26 Watts | 80.44 | 0.551 W/VA | 0.30 Watts | 78.21 | 12 Voltage | 0.21 Watts | 83.89 | 0.56 W/VA | 0.26 Watts | 81.41 |
| Elpac Electronics, Inc. | FW18 | FW1824 (24),FW1805 (5),FW1818 (18),FW1812 (12) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 18 Watts | 18 Voltage | 0.26 Watts | 80.44 | 0.551 W/VA | 0.30 Watts | 78.21 | 18 Voltage | 0.21 Watts | 83.89 | 0.56 W/VA | 0.26 Watts | 81.41 |
| Elpac Electronics, Inc. | FW18 | FW1824 (24),FW1805 (5),FW1818 (18),FW1812 (12) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 18 Watts | 24 Voltage | 0.26 Watts | 80.44 | 0.551 W/VA | 0.30 Watts | 78.21 | 24 Voltage | 0.21 Watts | 83.89 | 0.56 W/VA | 0.26 Watts | 81.41 |
| Elpac Electronics, Inc. | FW18 | FW1824 (24),FW1805 (5),FW1818 (18),FW1812 (12) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 18 Watts | 5 Voltage | 0.26 Watts | 80.44 | 0.551 W/VA | 0.30 Watts | 78.21 | 5 Voltage | 0.21 Watts | 83.89 | 0.56 W/VA | 0.26 Watts | 81.41 |
| Elpac Electronics, Inc. | FW30 | FW3024 (24),FW3012 (12),FW3015 (15),FW3018 (18),FW3012 (12) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 30 Watts | 12 Voltage | 0.20 Watts | 84.09 | 0.55 W/VA | 0.29 Watts | 83.61 | 12 Voltage | 0.22 Watts | 85.38 | 0.55 W/VA | 0.3 Watts | 84.47 |
| Elpac Electronics, Inc. | FW30 | FW3024 (24),FW3012 (12),FW3015 (15),FW3018 (18),FW3012 (12) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 30 Watts | 15 Voltage | 0.20 Watts | 84.09 | 0.55 W/VA | 0.29 Watts | 83.61 | 15 Voltage | 0.22 Watts | 85.38 | 0.55 W/VA | 0.3 Watts | 84.47 |
| Elpac Electronics, Inc. | FW30 | FW3024 (24),FW3012 (12),FW3015 (15),FW3018 (18),FW3012 (12) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 30 Watts | 18 Voltage | 0.20 Watts | 84.09 | 0.55 W/VA | 0.29 Watts | 83.61 | 18 Voltage | 0.22 Watts | 85.38 | 0.55 W/VA | 0.3 Watts | 84.47 |

| Company Name | Family Name | Models In Family* | Power Supply Type | Nameplate AC Input Voltage (V) | Nameplate AC Input Frequency (Hz) | Product Family Nameplate Output Power (W) | Low Voltage Model Nameplate DC Output Voltage (VDC) | Low Voltage No-Load Input Power 115V @ 60Hz (W) | Low Voltage Average Active Efficiency 115V @ 60Hz (%) | Low Voltage True Power Factor at 100% of Rated Load (115V)** | Low Voltage No Load Input Power 230V @ 50Hz (W) | Low Voltage Average Active Efficiency 230V @ 50Hz (%) | High Voltage Model Nameplate DC Output Voltage (VDC) | High Voltage No-Load Input Power 115V @ 60Hz (W) | High Voltage Average Active Efficiency 115V @ 60Hz (%) | High Voltage True Power Factor at 100% of Rated Load (115V)** | High Voltage No Load Input Power 230V @ 50Hz (W) | High Voltage Average Active Efficiency 230V @ 50Hz (%) |
|-------------------------|-------------|---|--|--------------------------------|-----------------------------------|---|---|---|---|--|---|---|--|--|--|---|--|--|
| Elpac Electronics, Inc. | FW30 | FW3024 (24),FW3012 (12),FW3015 (15),FW3018 (18),FW3012 (12) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 30 Watts | 24 Voltage | 0.20 Watts | 84.09 | 0.55 W/VA | 0.29 Watts | 83.61 | 24 Voltage | 0.22 Watts | 85.38 | 0.55 W/VA | 0.3 Watts | 84.47 |
| Elpac Electronics, Inc. | FWA065 | FWA065012 (12),FWA065024 (24),FWA065015 (15),FWA065018 (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 72 Watts | 12 Voltage | .33 Watts | 88.08 | 0.55 W/VA | .5 Watts | 89.16 | 12 Voltage | 0.4 Watts | 89.62 | .553 W/VA | .45 Watts | 91.07 |
| Elpac Electronics, Inc. | FWA065 | FWA065012 (12),FWA065024 (24),FWA065015 (15),FWA065018 (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 72 Watts | 15 Voltage | .33 Watts | 88.08 | 0.55 W/VA | .5 Watts | 89.16 | 15 Voltage | 0.4 Watts | 89.62 | .553 W/VA | .45 Watts | 91.07 |
| Elpac Electronics, Inc. | FWA065 | FWA065012 (12),FWA065024 (24),FWA065015 (15),FWA065018 (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 72 Watts | 18 Voltage | .33 Watts | 88.08 | 0.55 W/VA | .5 Watts | 89.16 | 18 Voltage | 0.4 Watts | 89.62 | .553 W/VA | .45 Watts | 91.07 |
| Elpac Electronics, Inc. | FWA065 | FWA065012 (12),FWA065024 (24),FWA065015 (15),FWA065018 (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 72 Watts | 24 Voltage | .33 Watts | 88.08 | 0.55 W/VA | .5 Watts | 89.16 | 24 Voltage | 0.4 Watts | 89.62 | .553 W/VA | .45 Watts | 91.07 |
| Elpac Electronics, Inc. | FWA150 | FWA150012 (12),FWA150024 (24),FWA150015 (15),FWA150018 (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 150 Watts | 12 Voltage | .36 Watts | 93.52 | .996 W/VA | .47 Watts | 92.5 | 12 Voltage | .4 Watts | 91.61 | .997 W/VA | .43 Watts | 93.19 |
| Elpac Electronics, Inc. | FWA150 | FWA150012 (12),FWA150024 (24),FWA150015 (15),FWA150018 (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 150 Watts | 15 Voltage | .36 Watts | 93.52 | .996 W/VA | .47 Watts | 92.5 | 15 Voltage | .4 Watts | 91.61 | .997 W/VA | .43 Watts | 93.19 |
| Elpac Electronics, Inc. | FWA150 | FWA150012 (12),FWA150024 (24),FWA150015 (15),FWA150018 (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 150 Watts | 18 Voltage | .36 Watts | 93.52 | .996 W/VA | .47 Watts | 92.5 | 18 Voltage | .4 Watts | 91.61 | .997 W/VA | .43 Watts | 93.19 |
| Elpac Electronics, Inc. | FWA150 | FWA150012 (12),FWA150024 (24),FWA150015 (15),FWA150018 (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 150 Watts | 24 Voltage | .36 Watts | 93.52 | .996 W/VA | .47 Watts | 92.5 | 24 Voltage | .4 Watts | 91.61 | .997 W/VA | .43 Watts | 93.19 |
| Elpac Electronics, Inc. | FWB100A | FWB100012A (12),FWB100024A (24),FWB100018A (18),FWB100018A (18),FWB100024A (24),FWB100012A (12) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 100 Watts | 12 Voltage | 0.45 Watts | 87.27 | 0.99 W/VA | 0.5 Watts | 87.44 | 12 Voltage | 0.30 Watts | 88.44 | 0.99 W/VA | 0.43 Watts | 89.27 |
| Elpac Electronics, Inc. | FWB100A | FWB100012A (12),FWB100024A (24),FWB100018A (18),FWB100018A (18),FWB100024A (24),FWB100012A (12) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 100 Watts | 18 Voltage | 0.45 Watts | 87.27 | 0.99 W/VA | 0.5 Watts | 87.44 | 18 Voltage | 0.30 Watts | 88.44 | 0.99 W/VA | 0.43 Watts | 89.27 |
| Elpac Electronics, Inc. | FWB100A | FWB100012A (12),FWB100024A (24),FWB100018A (18),FWB100018A (18),FWB100024A (24),FWB100012A (12) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 100 Watts | 24 Voltage | 0.45 Watts | 87.27 | 0.99 W/VA | 0.5 Watts | 87.44 | 24 Voltage | 0.30 Watts | 88.44 | 0.99 W/VA | 0.43 Watts | 89.27 |
| Elpac Electronics, Inc. | FWC30 | FWC3009 (9),FWC3024 (24),FWC3015 (15),FWC3018 (18),FWC3012 (12),FWC3012F (12),FWC3024F (24),FWC3015F (15),FWC3018F (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 30 Watts | 12 Voltage | 0.20 Watts | 84.09 | 0.55 W/VA | 0.29 Watts | 83.61 | 12 Voltage | 0.22 Watts | 85.38 | 0.55 W/VA | 0.30 Watts | 84.47 |

| Company Name | Family Name | Models In Family* | Power Supply Type | Nameplate AC Input Voltage (V) | Nameplate AC Input Frequency (Hz) | Product Family Nameplate Output Power (W) | Low Voltage Model Nameplate DC Output Voltage (VDC) | Low Voltage No-Load Input Power 115V @ 60Hz (W) | Low Voltage Average Active Efficiency 115V @ 60Hz (%) | Low Voltage True Power Factor at 100% of Rated Load (115V)** | Low Voltage No Load Input Power 230V @ 50Hz (W) | Low Voltage Average Active Efficiency 230V @ 50Hz (%) | High Voltage Model Nameplate DC Output Voltage (VDC) | High Voltage No-Load Input Power 115V @ 60Hz (W) | High Voltage Average Active Efficiency 115V @ 60Hz (%) | High Voltage True Power Factor at 100% of Rated Load (115V)** | High Voltage No Load Input Power 230V @ 50Hz (W) | High Voltage Average Active Efficiency 230V @ 50Hz (%) |
|-------------------------|-------------|---|--|--------------------------------|-----------------------------------|---|---|---|---|--|---|---|--|--|--|---|--|--|
| Elpac Electronics, Inc. | FWC30 | FWC3009 (9),FWC3024 (24),FWC3015 (15),FWC3018 (18),FWC3012 (12),FWC3012F (12),FWC3024F (24),FWC3015F (15),FWC3018F (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 30 Watts | 15 Voltage | 0.20 Watts | 84.09 | 0.55 W/VA | 0.29 Watts | 83.61 | 15 Voltage | 0.22 Watts | 85.38 | 0.55 W/VA | 0.30 Watts | 84.47 |
| Elpac Electronics, Inc. | FWC30 | FWC3009 (9),FWC3024 (24),FWC3015 (15),FWC3018 (18),FWC3012 (12),FWC3012F (12),FWC3024F (24),FWC3015F (15),FWC3018F (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 30 Watts | 18 Voltage | 0.20 Watts | 84.09 | 0.55 W/VA | 0.29 Watts | 83.61 | 18 Voltage | 0.22 Watts | 85.38 | 0.55 W/VA | 0.30 Watts | 84.47 |
| Elpac Electronics, Inc. | FWC30 | FWC3009 (9),FWC3024 (24),FWC3015 (15),FWC3018 (18),FWC3012 (12),FWC3012F (12),FWC3024F (24),FWC3015F (15),FWC3018F (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 30 Watts | 24 Voltage | 0.20 Watts | 84.09 | 0.55 W/VA | 0.29 Watts | 83.61 | 24 Voltage | 0.22 Watts | 85.38 | 0.55 W/VA | 0.30 Watts | 84.47 |
| Elpac Electronics, Inc. | MSA150 | MSA150024 (24),MSA150012 (12),MSA150015 (15),MSA150018 (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 150 Watts | 12 Voltage | .36 Watts | 91.01 | .996 W/VA | .47 Watts | 92.5 | 12 Voltage | .40 Watts | 91.61 | .997 W/VA | .43 Watts | 93.2 |
| Elpac Electronics, Inc. | MSA150 | MSA150024 (24),MSA150012 (12),MSA150015 (15),MSA150018 (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 150 Watts | 15 Voltage | .36 Watts | 91.01 | .996 W/VA | .47 Watts | 92.5 | 15 Voltage | .40 Watts | 91.61 | .997 W/VA | .43 Watts | 93.2 |
| Elpac Electronics, Inc. | MSA150 | MSA150024 (24),MSA150012 (12),MSA150015 (15),MSA150018 (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 150 Watts | 18 Voltage | .36 Watts | 91.01 | .996 W/VA | .47 Watts | 92.5 | 18 Voltage | .40 Watts | 91.61 | .997 W/VA | .43 Watts | 93.2 |
| Elpac Electronics, Inc. | MSA150 | MSA150024 (24),MSA150012 (12),MSA150015 (15),MSA150018 (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 150 Watts | 24 Voltage | .36 Watts | 91.01 | .996 W/VA | .47 Watts | 92.5 | 24 Voltage | .40 Watts | 91.61 | .997 W/VA | .43 Watts | 93.2 |
| Elpac Electronics, Inc. | MWA065 | MWA065012 (12),MWA065015 (15),MWA065024 (24),MWA065018 (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 72 Watts | 12 Voltage | .33 Watts | 88.08 | .55 W/VA | .5 Watts | 89.16 | 12 Voltage | .4 Watts | 89.62 | .553 W/VA | .45 Watts | 91.07 |
| Elpac Electronics, Inc. | MWA065 | MWA065012 (12),MWA065015 (15),MWA065024 (24),MWA065018 (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 72 Watts | 15 Voltage | .33 Watts | 88.08 | .55 W/VA | .5 Watts | 89.16 | 15 Voltage | .4 Watts | 89.62 | .553 W/VA | .45 Watts | 91.07 |
| Elpac Electronics, Inc. | MWA065 | MWA065012 (12),MWA065015 (15),MWA065024 (24),MWA065018 (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 72 Watts | 18 Voltage | .33 Watts | 88.08 | .55 W/VA | .5 Watts | 89.16 | 18 Voltage | .4 Watts | 89.62 | .553 W/VA | .45 Watts | 91.07 |
| Elpac Electronics, Inc. | MWA065 | MWA065012 (12),MWA065015 (15),MWA065024 (24),MWA065018 (18) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 72 Watts | 24 Voltage | .33 Watts | 88.08 | .55 W/VA | .5 Watts | 89.16 | 24 Voltage | .4 Watts | 89.62 | .553 W/VA | .45 Watts | 91.07 |
| Elpac Electronics, Inc. | MWA150 | MWA150012 (12),MWA150018 (18),MWA150015 (15),MWA150024 (24) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 150 Watts | 12 Voltage | .36 Watts | 91.01 | .996 W/VA | .47 Watts | 92.5 | 12 Voltage | .4 Watts | 91.61 | .997 W/VA | .43 Watts | 93.19 |

| Company Name | Family Name | Models In Family* | Power Supply Type | Nameplate AC Input Voltage (V) | Nameplate AC Input Frequency (Hz) | Product Family Nameplate Output Power (W) | Low Voltage Model Nameplate DC Output Voltage (VDC) | Low Voltage No-Load Input Power 115V @ 60Hz (W) | Low Voltage Average Active Efficiency 115V @ 60Hz (%) | Low Voltage True Power Factor at 100% of Rated Load (115V)** | Low Voltage No Load Input Power 230V @ 50Hz (W) | Low Voltage Average Active Efficiency 230V @ 50Hz (%) | High Voltage Model Nameplate DC Output Voltage (VDC) | High Voltage No-Load Input Power 115V @ 60Hz (W) | High Voltage Average Active Efficiency 115V @ 60Hz (%) | High Voltage True Power Factor at 100% of Rated Load (115V)** | High Voltage No Load Input Power 230V @ 50Hz (W) | High Voltage Average Active Efficiency 230V @ 50Hz (%) |
|--|-------------------------------------|---|--|--------------------------------|-----------------------------------|---|---|---|---|--|---|---|--|--|--|---|--|--|
| Elpac Electronics, Inc. | MWA 150 | MWA150012 (12),MWA15018 (18),MWA150015 (15),MWA150024 (24) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 150 Watts | 15 Voltage | .36 Watts | 91.01 | .996 W/VA | .47 Watts | 92.5 | 15 Voltage | .4 Watts | 91.61 | .997 W/VA | .43 Watts | 93.19 |
| Elpac Electronics, Inc. | MWA 150 | MWA150012 (12),MWA15018 (18),MWA150015 (15),MWA150024 (24) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 150 Watts | 18 Voltage | .36 Watts | 91.01 | .996 W/VA | .47 Watts | 92.5 | 18 Voltage | .4 Watts | 91.61 | .997 W/VA | .43 Watts | 93.19 |
| Elpac Electronics, Inc. | MWA 150 | MWA150012 (12),MWA15018 (18),MWA150015 (15),MWA150024 (24) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 150 Watts | 24 Voltage | .36 Watts | 91.01 | .996 W/VA | .47 Watts | 92.5 | 24 Voltage | .4 Watts | 91.61 | .997 W/VA | .43 Watts | 93.19 |
| Emerson Network Power | DCH5-060XX-0101 (AC-5) | DCH5-060AU-0101 (AC-5A) (5),DCH5-060CH-0101 (AC-5C) (5),DCH5-060AU-0101 (AC-5A) (5),DCH5-060EU-0101 (AC-5E) (5),DCH5-060AR-0101 (AC-5R) (5),DCH5-060UK-0101 (AC-5X) (5),DCH5-060US-0101 (AC-5U) (5),DCH5-060CH-0101 (AC-5C) (5),DCH5-060IN-0101 (AC-5N) (5) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 4 Watts | 5 Voltage | 0.077233333 Watts | 68.78 | 0.5743 W/VA | 0.145133333 Watts | 66.79 | 5 Voltage | 0.077233333 Watts | 72.12 | 0.574366667 W/VA | 0.145133333 Watts | 66.79 |
| FSP Group | FSP060-DBA BX | FSP060-DBAB1 (12),FSP060-DBAB2 (24) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 60 Watts | 12 Voltage | 0.44 Watts | 87.96 | 0.545 W/VA | 0.47 Watts | 87.52 | 12 Voltage | 0.26 Watts | 90.03 | 0.541 W/VA | 0.31 Watts | 89.29 |
| FSP Group | FSP060-DBA BX | FSP060-DBAB1 (12),FSP060-DBAB2 (24) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 60 Watts | 24 Voltage | 0.44 Watts | 87.96 | 0.545 W/VA | 0.47 Watts | 87.52 | 24 Voltage | 0.26 Watts | 90.03 | 0.541 W/VA | 0.31 Watts | 89.29 |
| FSP Group | FSP075-DMY BX(Y=A, B, C; X=1, 2, 3) | FSP075-DMYB1 (19),FSP075-DMYB2 (24),FSP075-DMYB3 (20) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 75 Watts | 19 Voltage | 0.31 Watts | 89.49 | 0.94 W/VA | 0.43 Watts | 89.74 | 19 Voltage | 0.19 Watts | 88.58 | 0.564 W/VA | 0.33 Watts | 90.04 |
| FSP Group | FSP075-DMY BX(Y=A, B, C; X=1, 2, 3) | FSP075-DMYB1 (19),FSP075-DMYB2 (24),FSP075-DMYB3 (20) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 75 Watts | 20 Voltage | 0.31 Watts | 89.49 | 0.94 W/VA | 0.43 Watts | 89.74 | 20 Voltage | 0.19 Watts | 88.58 | 0.564 W/VA | 0.33 Watts | 90.04 |
| FSP Group | FSP075-DMY BX(Y=A, B, C; X=1, 2, 3) | FSP075-DMYB1 (19),FSP075-DMYB2 (24),FSP075-DMYB3 (20) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 75 Watts | 24 Voltage | 0.31 Watts | 89.49 | 0.94 W/VA | 0.43 Watts | 89.74 | 24 Voltage | 0.19 Watts | 88.58 | 0.564 W/VA | 0.33 Watts | 90.04 |
| Global Yeou Diann Elec. Ind. Co., Ltd. | I.T.E.POWER SUPPLY | AMS6-050YYYYSU (5),AMS6-120YYYYSU (12),AMS6-1201000SU (12),AMS6-075YYYYSU (8),AMS6-0502000SU (5),AMS6-090YYYYSU (9) | External Power Supply - Ac-Dc Single Voltage | 120 Voltage | 60 Hz | 12 Watts | 5 Voltage | 0.14 Watts | 76.55 | 0.55 W/VA | 0 | 0 | 5 Voltage | 0.12 Watts | 82.54 | 0.56 W/VA | 0 | 0 |

| Company Name | Family Name | Models In Family* | Power Supply Type | Nameplate AC Input Voltage (V) | Nameplate AC Input Frequency (Hz) | Product Family Nameplate Output Power (W) | Low Voltage Model Nameplate DC Output Voltage (VDC) | Low Voltage No-Load Input Power 115V @ 60Hz (W) | Low Voltage Average Active Efficiency 115V @ 60Hz (%) | Low Voltage True Power Factor at 100% of Rated Load (115V)** | Low Voltage No Load Input Power 230V @ 50Hz (W) | Low Voltage Average Active Efficiency 230V @ 50Hz (%) | High Voltage Model Nameplate DC Output Voltage (VDC) | High Voltage No-Load Input Power 115V @ 60Hz (W) | High Voltage Average Active Efficiency 115V @ 60Hz (%) | High Voltage True Power Factor at 100% of Rated Load (115V)** | High Voltage No Load Input Power 230V @ 50Hz (W) | High Voltage Average Active Efficiency 230V @ 50Hz (%) |
|------------------------------|---|--|--|--------------------------------|-----------------------------------|---|---|---|---|--|---|---|--|--|--|---|--|--|
| Mitra Electronics Co., Ltd. | MPA | MPA-05010000 (5),MPA-09006500 (9),MPA-07007500 (7),MPA-12005000 (13),MPA-03010000 (3) | External Power Supply - Ac-Dc Single Voltage | 3 Voltage | 50-60 Hz | 6 Watts | 3 Voltage | 0.3 Watts | 72.17 | 0.568 W/VA | 0 | 0 | 3 Voltage | 0.3 Watts | 73.49 | 0.566 W/VA | 0 | 0 |
| Mitra Electronics Co., Ltd. | MPA | MPA-05010000 (5),MPA-09006500 (9),MPA-07007500 (7),MPA-12005000 (13),MPA-03010000 (3) | External Power Supply - Ac-Dc Single Voltage | 3 Voltage | 50-60 Hz | 6 Watts | 5 Voltage | 0.3 Watts | 72.17 | 0.568 W/VA | 0 | 0 | 5 Voltage | 0.3 Watts | 73.49 | 0.566 W/VA | 0 | 0 |
| Mitra Electronics Co., Ltd. | MPC | MPC-05004000 (5),MPC-24001000 (24),MPC-07503200 (8),MPC-09002600 (9),MPC-12002000 (12),MPC-15001600 (15),MPC-18001300 (18) | External Power Supply - Ac-Dc Single Voltage | 115 Voltage | 50-60 Hz | 24 Watts | 5 Voltage | 0.2 Watts | 80.16 | 0.555 W/VA | 0 | 0 | 5 Voltage | 0.3 Watts | 83.54 | 0.536 W/VA | 0 | 0 |
| Sinpro Electronics Co., Ltd. | IPU20 X-Y(X=A or B, Y=102,105,106,108,109,110,111) | IPU20A/B-105 (11),IPU20A/B-111 (48) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 20 Watts | 11 Voltage | 0.216 Watts | 85.33 | 0.563 W/VA | 0.264 Watts | 86.91 | 11 Voltage | 0.267 Watts | 88.27 | 0.562 W/VA | 0.214 Watts | 86.84 |
| Sinpro Electronics Co., Ltd. | IPU20 X-Y(X=A or B, Y=102,105,106,108,109,110,111) | IPU20A/B-105 (11),IPU20A/B-111 (48) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 20 Watts | 48 Voltage | 0.216 Watts | 85.33 | 0.563 W/VA | 0.264 Watts | 86.91 | 48 Voltage | 0.267 Watts | 88.27 | 0.562 W/VA | 0.214 Watts | 86.84 |
| Sinpro Electronics Co., Ltd. | IPU31-X(X=104,105,106,107,108,109,110,111) | IPU31-104 (8),IPU31-111 (50) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 30 Watts | 50 Voltage | 0.221 Watts | 83.79 | 0.569 W/VA | 0.277 Watts | 83.53 | 50 Voltage | 0.245 Watts | 88.93 | 0.568 W/VA | 0.269 Watts | 89.75 |
| Sinpro Electronics Co., Ltd. | IPU31-X(X=104,105,106,107,108,109,110,111) | IPU31-104 (8),IPU31-111 (50) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 30 Watts | 8 Voltage | 0.221 Watts | 83.79 | 0.569 W/VA | 0.277 Watts | 83.53 | 8 Voltage | 0.245 Watts | 88.93 | 0.568 W/VA | 0.269 Watts | 89.75 |
| Sinpro Electronics Co., Ltd. | IPU63-X(X=105,106,107,108,109,110,111) | IPU63-111 (50),IPU63-105 (12) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 63 Watts | 12 Voltage | 0.332 Watts | 87.39 | 0.528 W/VA | 0.397 Watts | 87.88 | 12 Voltage | 0.174 Watts | 89.97 | 0.549 W/VA | 0.3 Watts | 91.21 |
| Sinpro Electronics Co., Ltd. | IPU63-X(X=105,106,107,108,109,110,111) | IPU63-111 (50),IPU63-105 (12) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 63 Watts | 50 Voltage | 0.332 Watts | 87.39 | 0.528 W/VA | 0.397 Watts | 87.88 | 50 Voltage | 0.174 Watts | 89.97 | 0.549 W/VA | 0.3 Watts | 91.21 |
| Sinpro Electronics Co., Ltd. | MPU12 X-Y(X=A, B, C; Y=102,103,104,105,106,107,108) | MPU12X-103 (6),MPU12X-108 (27) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 12 Watts | 27 Voltage | 0.127 Watts | 79.31 | 0.539 W/VA | 0.184 Watts | 78.88 | 27 Voltage | 0.106 Watts | 81.44 | 0.53 W/VA | 0.172 Watts | 80.36 |
| Sinpro Electronics Co., Ltd. | MPU12 X-Y(X=A, B, C; Y=102,103,104,105,106,107,108) | MPU12X-103 (6),MPU12X-108 (27) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 12 Watts | 6 Voltage | 0.127 Watts | 79.31 | 0.539 W/VA | 0.184 Watts | 78.88 | 6 Voltage | 0.106 Watts | 81.44 | 0.53 W/VA | 0.172 Watts | 80.36 |

| Company Name | Family Name | Models In Family* | Power Supply Type | Nameplate AC Input Voltage (V) | Nameplate AC Input Frequency (Hz) | Product Family Nameplate Output Power (W) | Low Voltage Model Nameplate DC Output Voltage (VDC) | Low Voltage No-Load Input Power 115V @ 60Hz (W) | Low Voltage Average Active Efficiency 115V @ 60Hz (%) | Low Voltage True Power Factor at 100% of Rated Load (115V)** | Low Voltage No Load Input Power 230V @ 50Hz (W) | Low Voltage Average Active Efficiency 230V @ 50Hz (%) | High Voltage Model Nameplate DC Output Voltage (VDC) | High Voltage No-Load Input Power 115V @ 60Hz (W) | High Voltage Average Active Efficiency 115V @ 60Hz (%) | High Voltage True Power Factor at 100% of Rated Load (115V)** | High Voltage No Load Input Power 230V @ 50Hz (W) | High Voltage Average Active Efficiency 230V @ 50Hz (%) |
|------------------------------|--|--|--|--------------------------------|-----------------------------------|---|---|---|---|--|---|---|--|--|--|---|--|--|
| Sinpro Electronics Co., Ltd. | MPU15 | MPU15A-104 (9),MPU15A-110 (36) | External Power Supply - Ac-Dc Single Voltage | 100~240 Voltage | 50-60 Hz | 15 Watts | 36 Voltage | 0.199 Watts | 79.72 | 0.569 W/VA | 0.275 Watts | 79.59 | 36 Voltage | 0.238 Watts | 82.15 | 0.552 W/VA | 0.178 Watts | 80.72 |
| Sinpro Electronics Co., Ltd. | MPU15 | MPU15A-104 (9),MPU15A-110 (36) | External Power Supply - Ac-Dc Single Voltage | 100~240 Voltage | 50-60 Hz | 15 Watts | 9 Voltage | 0.199 Watts | 79.72 | 0.569 W/VA | 0.275 Watts | 79.59 | 9 Voltage | 0.238 Watts | 82.15 | 0.552 W/VA | 0.178 Watts | 80.72 |
| Sinpro Electronics Co., Ltd. | MPU63 | MPU63-110 (36),MPU63-105 (12) | External Power Supply - Ac-Dc Single Voltage | 100~240 Voltage | 50-60 Hz | 63 Watts | 12 Voltage | 0.333 Watts | 87.61 | 0.532 W/VA | 0.425 Watts | 87.43 | 12 Voltage | 0.308 Watts | 88.46 | 0.538 W/VA | 0.432 Watts | 88.88 |
| Sinpro Electronics Co., Ltd. | MPU63 | MPU63-110 (36),MPU63-105 (12) | External Power Supply - Ac-Dc Single Voltage | 100~240 Voltage | 50-60 Hz | 63 Watts | 36 Voltage | 0.333 Watts | 87.61 | 0.532 W/VA | 0.425 Watts | 87.43 | 36 Voltage | 0.308 Watts | 88.46 | 0.538 W/VA | 0.432 Watts | 88.88 |
| Sinpro Electronics Co., Ltd. | SPU31-X(X=104,105,106,107,108,109,110,111) | SPU31-104 (8),SPU31-111 (50) | External Power Supply - Ac-Dc Single Voltage | 100~240 Voltage | 50-60 Hz | 30 Watts | 50 Voltage | 0.221 Watts | 83.76 | 0.569 W/VA | 0.277 Watts | 83.53 | 50 Voltage | 0.245 Watts | 88.93 | 0.568 W/VA | 0.269 Watts | 89.75 |
| Sinpro Electronics Co., Ltd. | SPU31-X(X=104,105,106,107,108,109,110,111) | SPU31-104 (8),SPU31-111 (50) | External Power Supply - Ac-Dc Single Voltage | 100~240 Voltage | 50-60 Hz | 30 Watts | 8 Voltage | 0.221 Watts | 83.76 | 0.569 W/VA | 0.277 Watts | 83.53 | 8 Voltage | 0.245 Watts | 88.93 | 0.568 W/VA | 0.269 Watts | 89.75 |
| Sinpro Electronics Co., Ltd. | SPU63-X(X=105,106,107,108,109,110,111) | SPU63-105 (12),SPU63-111 (50) | External Power Supply - Ac-Dc Single Voltage | 100~240 Voltage | 50-60 Hz | 63 Watts | 12 Voltage | 0.332 Watts | 88.19 | 0.526 W/VA | 0.397 Watts | 87.59 | 12 Voltage | 0.262 Watts | 89.97 | 0.549 W/VA | 0.244 Watts | 91.21 |
| Sinpro Electronics Co., Ltd. | SPU63-X(X=105,106,107,108,109,110,111) | SPU63-105 (12),SPU63-111 (50) | External Power Supply - Ac-Dc Single Voltage | 100~240 Voltage | 50-60 Hz | 63 Watts | 50 Voltage | 0.332 Watts | 88.19 | 0.526 W/VA | 0.397 Watts | 87.59 | 50 Voltage | 0.262 Watts | 89.97 | 0.549 W/VA | 0.244 Watts | 91.21 |
| Sinpro Electronics Co., Ltd. | SPU80 | SPU80-111 (48),SPU80-105 (11) | External Power Supply - Ac-Dc Single Voltage | 90~264 Voltage | 50-60 Hz | 80 Watts | 11 Voltage | 0.253 Watts | 87 | 0.991 W/VA | 0.385 Watts | 87.06 | 11 Voltage | 0.228 Watts | 88.46 | 0.992 W/VA | 0.367 Watts | 87.72 |
| Sinpro Electronics Co., Ltd. | SPU80 | SPU80-111 (48),SPU80-105 (11) | External Power Supply - Ac-Dc Single Voltage | 90~264 Voltage | 50-60 Hz | 80 Watts | 48 Voltage | 0.253 Watts | 87 | 0.991 W/VA | 0.385 Watts | 87.06 | 48 Voltage | 0.228 Watts | 88.46 | 0.992 W/VA | 0.367 Watts | 87.72 |
| Tech-Power International Co. | TSA9-105057 WU & TSA9-130046 WU Series | TSA9-115052WU (12),TSA9-120050 WU (12),TSA9-105057 WU (11),TSA9-110054 WU (11),TSA9-130046 WU (13),TSA9-125048 WU (13) | External Power Supply - Ac-Dc Single Voltage | 100~240 Voltage | 50-60 Hz | 5 Watts | 10.5 Voltage | 0.16 Watts | 75.04 | 0.504 W/VA | 0.19 Watts | 74.27 | 10.5 Voltage | 0.19 Watts | 77.87 | 0.507 W/VA | 0.18 Watts | 75.04 |
| Tech-Power International Co. | TSA9-105057 WU & TSA9-130046 WU Series | TSA9-115052WU (12),TSA9-120050 WU (12),TSA9-105057 WU (11),TSA9-110054 WU (11),TSA9-130046 WU (13),TSA9-125048 WU (13) | External Power Supply - Ac-Dc Single Voltage | 100~240 Voltage | 50-60 Hz | 5 Watts | 11.0 Voltage | 0.16 Watts | 75.04 | 0.504 W/VA | 0.19 Watts | 74.27 | 11.0 Voltage | 0.19 Watts | 77.87 | 0.507 W/VA | 0.18 Watts | 75.04 |

| Company Name | Family Name | Models In Family* | Power Supply Type | Nameplate AC Input Voltage (V) | Nameplate AC Input Frequency (Hz) | Product Family Nameplate Output Power (W) | Low Voltage Model Nameplate DC Output Voltage (VDC) | Low Voltage No-Load Input Power 115V @ 60Hz (W) | Low Voltage Average Active Efficiency 115V @ 60Hz (%) | Low Voltage True Power Factor at 100% of Rated Load (115V)** | Low Voltage No Load Input Power 230V @ 50Hz (W) | Low Voltage Average Active Efficiency 230V @ 50Hz (%) | High Voltage Model Nameplate DC Output Voltage (VDC) | High Voltage No-Load Input Power 115V @ 60Hz (W) | High Voltage Average Active Efficiency 115V @ 60Hz (%) | High Voltage True Power Factor at 100% of Rated Load (115V)** | High Voltage No Load Input Power 230V @ 50Hz (W) | High Voltage Average Active Efficiency 230V @ 50Hz (%) |
|------------------------------|--|--|--|--------------------------------|-----------------------------------|---|---|---|---|--|---|---|--|--|--|---|--|--|
| Tech-Power International Co. | TSA9-105057 WU & TSA9-130046 WU Series | TSA9-115052WU (12), TSA9-120050 WU (12), TSA9-105057 WU (11), TSA9-110054 WU (11), TSA9-130046 WU (13), TSA9-125048 WU (13) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 11.5 Voltage | 0.16 Watts | 75.04 | 0.504 W/WA | 0.19 Watts | 74.27 | 11.5 Voltage | 0.19 Watts | 77.87 | 0.507 W/WA | 0.18 Watts | 75.04 |
| Tech-Power International Co. | TSA9-105057 WU & TSA9-130046 WU Series | TSA9-115052WU (12), TSA9-120050 WU (12), TSA9-105057 WU (11), TSA9-110054 WU (11), TSA9-130046 WU (13), TSA9-125048 WU (13) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 12.0 Voltage | 0.16 Watts | 75.04 | 0.504 W/WA | 0.19 Watts | 74.27 | 12.0 Voltage | 0.19 Watts | 77.87 | 0.507 W/WA | 0.18 Watts | 75.04 |
| Tech-Power International Co. | TSA9-105057 WU & TSA9-130046 WU Series | TSA9-115052WU (12), TSA9-120050 WU (12), TSA9-105057 WU (11), TSA9-110054 WU (11), TSA9-130046 WU (13), TSA9-125048 WU (13) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 12.5 Voltage | 0.16 Watts | 75.04 | 0.504 W/WA | 0.19 Watts | 74.27 | 12.5 Voltage | 0.19 Watts | 77.87 | 0.507 W/WA | 0.18 Watts | 75.04 |
| Tech-Power International Co. | TSA9-105057 WU & TSA9-130046 WU Series | TSA9-115052WU (12), TSA9-120050 WU (12), TSA9-105057 WU (11), TSA9-110054 WU (11), TSA9-130046 WU (13), TSA9-125048 WU (13) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 13 Voltage | 0.16 Watts | 75.04 | 0.504 W/WA | 0.19 Watts | 74.27 | 13 Voltage | 0.19 Watts | 77.87 | 0.507 W/WA | 0.18 Watts | 75.04 |
| Tech-Power International Co. | TSA9-135044 WU & TSA9-160037 WU Series | TSA9-140042WU (14), TSA9-135044 WU (14), TSA9-145041 WU (15), TSA9-138043 WU (14), TSA9-150040 WU (15), TSA9-160037 WU (16), TSA9-155038 WU (16) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 13.5 Voltage | 0.24 Watts | 77.48 | 0.502 W/WA | 0.28 Watts | 75.16 | 13.5 Voltage | 0.16 Watts | 74.53 | 0.501 W/WA | 0.18 Watts | 72.35 |
| Tech-Power International Co. | TSA9-135044 WU & TSA9-160037 WU Series | TSA9-140042WU (14), TSA9-135044 WU (14), TSA9-145041 WU (15), TSA9-138043 WU (14), TSA9-150040 WU (15), TSA9-160037 WU (16), TSA9-155038 WU (16) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 13.8 Voltage | 0.24 Watts | 77.48 | 0.502 W/WA | 0.28 Watts | 75.16 | 13.8 Voltage | 0.16 Watts | 74.53 | 0.501 W/WA | 0.18 Watts | 72.35 |
| Tech-Power International Co. | TSA9-135044 WU & TSA9-160037 WU Series | TSA9-140042WU (14), TSA9-135044 WU (14), TSA9-145041 WU (15), TSA9-138043 WU (14), TSA9-150040 WU (15), TSA9-160037 WU (16), TSA9-155038 WU (16) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 14.5 Voltage | 0.24 Watts | 77.48 | 0.502 W/WA | 0.28 Watts | 75.16 | 14.5 Voltage | 0.16 Watts | 74.53 | 0.501 W/WA | 0.18 Watts | 72.35 |

| Company Name | Family Name | Models In Family* | Power Supply Type | Nameplate AC Input Voltage (V) | Nameplate AC Input Frequency (Hz) | Product Family Nameplate Output Power (W) | Low Voltage Model Nameplate DC Output Voltage (VDC) | Low Voltage No-Load Input Power 115V @ 60Hz (W) | Low Voltage Average Active Efficiency 115V @ 60Hz (%) | Low Voltage True Power Factor at 100% of Rated Load (115V)** | Low Voltage No Load Input Power 230V @ 50Hz (W) | Low Voltage Average Active Efficiency 230V @ 50Hz (%) | High Voltage Model Nameplate DC Output Voltage (VDC) | High Voltage No-Load Input Power 115V @ 60Hz (W) | High Voltage Average Active Efficiency 115V @ 60Hz (%) | High Voltage True Power Factor at 100% of Rated Load (115V)** | High Voltage No Load Input Power 230V @ 50Hz (W) | High Voltage Average Active Efficiency 230V @ 50Hz (%) |
|------------------------------|--|--|--|--------------------------------|-----------------------------------|---|---|---|---|--|---|---|--|--|--|---|--|--|
| Tech-Power International Co. | TSA9-135044 WU & TSA9-160037 WU Series | TSA9-140042WU (14), TSA9-135044 WU (14), TSA9-145041 WU (15), TSA9-138043 WU (14), TSA9-150040 WU (15), TSA9-160037 WU (16), TSA9-155038 WU (16) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 14 Voltage | 0.24 Watts | 77.48 | 0.502 W/WA | 0.28 Watts | 75.16 | 14 Voltage | 0.16 Watts | 74.53 | 0.501 W/WA | 0.18 Watts | 72.35 |
| Tech-Power International Co. | TSA9-135044 WU & TSA9-160037 WU Series | TSA9-140042WU (14), TSA9-135044 WU (14), TSA9-145041 WU (15), TSA9-138043 WU (14), TSA9-150040 WU (15), TSA9-160037 WU (16), TSA9-155038 WU (16) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 15.5 Voltage | 0.24 Watts | 77.48 | 0.502 W/WA | 0.28 Watts | 75.16 | 15.5 Voltage | 0.16 Watts | 74.53 | 0.501 W/WA | 0.18 Watts | 72.35 |
| Tech-Power International Co. | TSA9-135044 WU & TSA9-160037 WU Series | TSA9-140042WU (14), TSA9-135044 WU (14), TSA9-145041 WU (15), TSA9-138043 WU (14), TSA9-150040 WU (15), TSA9-160037 WU (16), TSA9-155038 WU (16) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 15 Voltage | 0.24 Watts | 77.48 | 0.502 W/WA | 0.28 Watts | 75.16 | 15 Voltage | 0.16 Watts | 74.53 | 0.501 W/WA | 0.18 Watts | 72.35 |
| Tech-Power International Co. | TSA9-135044 WU & TSA9-160037 WU Series | TSA9-140042WU (14), TSA9-135044 WU (14), TSA9-145041 WU (15), TSA9-138043 WU (14), TSA9-150040 WU (15), TSA9-160037 WU (16), TSA9-155038 WU (16) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 16 Voltage | 0.24 Watts | 77.48 | 0.502 W/WA | 0.28 Watts | 75.16 | 16 Voltage | 0.16 Watts | 74.53 | 0.501 W/WA | 0.18 Watts | 72.35 |
| Tech-Power International Co. | TSA9-165036 WU & TSA9-215027 WU Series | TSA9-205029WU (22), TSA9-165036 WU (17), TSA9-190031 WU (19), TSA9-185032 WU (19), TSA9-200030 WU (20), TSA9-215027 WU (22), TSA9-170035 WU (17) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 16.5 Voltage | 0.19 Watts | 76.71 | 0.501 W/WA | 0.22 Watts | 74.42 | 16.5 Voltage | 0.19 Watts | 77.11 | 0.508 W/WA | 0.19 Watts | 74.86 |
| Tech-Power International Co. | TSA9-165036 WU & TSA9-215027 WU Series | TSA9-205029WU (22), TSA9-165036 WU (17), TSA9-190031 WU (19), TSA9-185032 WU (19), TSA9-200030 WU (20), TSA9-215027 WU (22), TSA9-170035 WU (17) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 17 Voltage | 0.19 Watts | 76.71 | 0.501 W/WA | 0.22 Watts | 74.42 | 17 Voltage | 0.19 Watts | 77.11 | 0.508 W/WA | 0.19 Watts | 74.86 |

| Company Name | Family Name | Models In Family* | Power Supply Type | Nameplate AC Input Voltage (V) | Nameplate AC Input Frequency (Hz) | Product Family Nameplate Output Power (W) | Low Voltage Model Nameplate DC Output Voltage (VDC) | Low Voltage No-Load Input Power 115V @ 60Hz (W) | Low Voltage Average Active Efficiency 115V @ 60Hz (%) | Low Voltage True Power Factor at 100% of Rated Load (115V)** | Low Voltage No Load Input Power 230V @ 50Hz (W) | Low Voltage Average Active Efficiency 230V @ 50Hz (%) | High Voltage Model Nameplate DC Output Voltage (VDC) | High Voltage No-Load Input Power 115V @ 60Hz (W) | High Voltage Average Active Efficiency 115V @ 60Hz (%) | High Voltage True Power Factor at 100% of Rated Load (115V)** | High Voltage No Load Input Power 230V @ 50Hz (W) | High Voltage Average Active Efficiency 230V @ 50Hz (%) |
|------------------------------|--|--|--|--------------------------------|-----------------------------------|---|---|---|---|--|---|---|--|--|--|---|--|--|
| Tech-Power International Co. | TSA9-165036 WU & TSA9-215027 WU Series | TSA9-205029WU (22), TSA9-165036 WU (17), TSA9-190031 WU (19), TSA9-185032 WU (19), TSA9-200030 WU (20), TSA9-215027 WU (22), TSA9-170035 WU (17) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 18.5 Voltage | 0.19 Watts | 76.71 | 0.501 W/WA | 0.22 Watts | 74.42 | 18.5 Voltage | 0.19 Watts | 77.11 | 0.508 W/WA | 0.19 Watts | 74.86 |
| Tech-Power International Co. | TSA9-165036 WU & TSA9-215027 WU Series | TSA9-205029WU (22), TSA9-165036 WU (17), TSA9-190031 WU (19), TSA9-185032 WU (19), TSA9-200030 WU (20), TSA9-215027 WU (22), TSA9-170035 WU (17) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 19 Voltage | 0.19 Watts | 76.71 | 0.501 W/WA | 0.22 Watts | 74.42 | 19 Voltage | 0.19 Watts | 77.11 | 0.508 W/WA | 0.19 Watts | 74.86 |
| Tech-Power International Co. | TSA9-165036 WU & TSA9-215027 WU Series | TSA9-205029WU (22), TSA9-165036 WU (17), TSA9-190031 WU (19), TSA9-185032 WU (19), TSA9-200030 WU (20), TSA9-215027 WU (22), TSA9-170035 WU (17) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 20 Voltage | 0.19 Watts | 76.71 | 0.501 W/WA | 0.22 Watts | 74.42 | 20 Voltage | 0.19 Watts | 77.11 | 0.508 W/WA | 0.19 Watts | 74.86 |
| Tech-Power International Co. | TSA9-165036 WU & TSA9-215027 WU Series | TSA9-205029WU (22), TSA9-165036 WU (17), TSA9-190031 WU (19), TSA9-185032 WU (19), TSA9-200030 WU (20), TSA9-215027 WU (22), TSA9-170035 WU (17) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 21.5 Voltage | 0.19 Watts | 76.71 | 0.501 W/WA | 0.22 Watts | 74.42 | 21.5 Voltage | 0.19 Watts | 77.11 | 0.508 W/WA | 0.19 Watts | 74.86 |
| Tech-Power International Co. | TSA9-260023 WU & TSA9-260023 WU Series | TSA9-240025WU (24), TSA9-245024 WU (25), TSA9-220027 WU (22), TSA9-235025 WU (24), TSA9-225026 WU (23), TSA9-250024 WU (25), TSA9-230026 WU (23), TSA9-260023 WU (26), TSA9-255023 WU (26) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 22.5 Voltage | 0.21 Watts | 76.59 | 0.498 W/WA | 0.24 Watts | 75.62 | 22.5 Voltage | 0.23 Watts | 77.08 | 0.505 W/WA | 0.26 Watts | 77.39 |
| Tech-Power International Co. | TSA9-260023 WU & TSA9-260023 WU Series | TSA9-240025WU (24), TSA9-245024 WU (25), TSA9-220027 WU (22), TSA9-235025 WU (24), TSA9-225026 WU (23), TSA9-250024 WU (25), TSA9-230026 WU (23), TSA9-260023 WU (26), TSA9-255023 WU (26) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 22 Voltage | 0.21 Watts | 76.59 | 0.498 W/WA | 0.24 Watts | 75.62 | 22 Voltage | 0.23 Watts | 77.08 | 0.505 W/WA | 0.26 Watts | 77.39 |

| Company Name | Family Name | Models In Family* | Power Supply Type | Nameplate AC Input Voltage (V) | Nameplate AC Input Frequency (Hz) | Product Family Nameplate Output Power (W) | Low Voltage Model Nameplate DC Output Voltage (VDC) | Low Voltage No-Load Input Power 115V @ 60Hz (W) | Low Voltage Average Active Efficiency 115V @ 60Hz (%) | Low Voltage True Power Factor at 100% of Rated Load (115V)** | Low Voltage No Load Input Power 230V @ 50Hz (W) | Low Voltage Average Active Efficiency 230V @ 50Hz (%) | High Voltage Model Nameplate DC Output Voltage (VDC) | High Voltage No-Load Input Power 115V @ 60Hz (W) | High Voltage Average Active Efficiency 115V @ 60Hz (%) | High Voltage True Power Factor at 100% of Rated Load (115V)** | High Voltage No Load Input Power 230V @ 50Hz (W) | High Voltage Average Active Efficiency 230V @ 50Hz (%) |
|------------------------------|---------------------------------------|--|--|--------------------------------|-----------------------------------|---|---|---|---|--|---|---|--|--|--|---|--|--|
| Tech-Power International Co. | TSA9-20027 WU & TSA9-260023 WU Series | TSA9-240025WU (24), TSA9-245024 WU (25), TSA9-220027 WU (22), TSA9-235025 WU (24), TSA9-225026 WU (23), TSA9-250024 WU (25), TSA9-230026 WU (23), TSA9-260023 WU (26), TSA9-255023 WU (26) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 23.5 Voltage | 0.21 Watts | 76.59 | 0.498 W/VA | 0.24 Watts | 75.62 | 23.5 Voltage | 0.23 Watts | 77.08 | 0.505 W/VA | 0.26 Watts | 77.39 |
| Tech-Power International Co. | TSA9-20027 WU & TSA9-260023 WU Series | TSA9-240025WU (24), TSA9-245024 WU (25), TSA9-220027 WU (22), TSA9-235025 WU (24), TSA9-225026 WU (23), TSA9-250024 WU (25), TSA9-230026 WU (23), TSA9-260023 WU (26), TSA9-255023 WU (26) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 23 Voltage | 0.21 Watts | 76.59 | 0.498 W/VA | 0.24 Watts | 75.62 | 23 Voltage | 0.23 Watts | 77.08 | 0.505 W/VA | 0.26 Watts | 77.39 |
| Tech-Power International Co. | TSA9-20027 WU & TSA9-260023 WU Series | TSA9-240025WU (24), TSA9-245024 WU (25), TSA9-220027 WU (22), TSA9-235025 WU (24), TSA9-225026 WU (23), TSA9-250024 WU (25), TSA9-230026 WU (23), TSA9-260023 WU (26), TSA9-255023 WU (26) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 24.5 Voltage | 0.21 Watts | 76.59 | 0.498 W/VA | 0.24 Watts | 75.62 | 24.5 Voltage | 0.23 Watts | 77.08 | 0.505 W/VA | 0.26 Watts | 77.39 |
| Tech-Power International Co. | TSA9-20027 WU & TSA9-260023 WU Series | TSA9-240025WU (24), TSA9-245024 WU (25), TSA9-220027 WU (22), TSA9-235025 WU (24), TSA9-225026 WU (23), TSA9-250024 WU (25), TSA9-230026 WU (23), TSA9-260023 WU (26), TSA9-255023 WU (26) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 24 Voltage | 0.21 Watts | 76.59 | 0.498 W/VA | 0.24 Watts | 75.62 | 24 Voltage | 0.23 Watts | 77.08 | 0.505 W/VA | 0.26 Watts | 77.39 |
| Tech-Power International Co. | TSA9-20027 WU & TSA9-260023 WU Series | TSA9-240025WU (24), TSA9-245024 WU (25), TSA9-220027 WU (22), TSA9-235025 WU (24), TSA9-225026 WU (23), TSA9-250024 WU (25), TSA9-230026 WU (23), TSA9-260023 WU (26), TSA9-255023 WU (26) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 25.5 Voltage | 0.21 Watts | 76.59 | 0.498 W/VA | 0.24 Watts | 75.62 | 25.5 Voltage | 0.23 Watts | 77.08 | 0.505 W/VA | 0.26 Watts | 77.39 |

| Company Name | Family Name | Models In Family* | Power Supply Type | Nameplate AC Input Voltage (V) | Nameplate AC Input Frequency (Hz) | Product Family Nameplate Output Power (W) | Low Voltage Model Nameplate DC Output Voltage (VDC) | Low Voltage No-Load Input Power 115V @ 60Hz (W) | Low Voltage Average Active Efficiency 115V @ 60Hz (%) | Low Voltage True Power Factor at 100% of Rated Load (115V)** | Low Voltage No Load Input Power 230V @ 50Hz (W) | Low Voltage Average Active Efficiency 230V @ 50Hz (%) | High Voltage Model Nameplate DC Output Voltage (VDC) | High Voltage No-Load Input Power 115V @ 60Hz (W) | High Voltage Average Active Efficiency 115V @ 60Hz (%) | High Voltage True Power Factor at 100% of Rated Load (115V)** | High Voltage No Load Input Power 230V @ 50Hz (W) | High Voltage Average Active Efficiency 230V @ 50Hz (%) |
|------------------------------|--|--|--|--------------------------------|-----------------------------------|---|---|---|---|--|---|---|--|--|--|---|--|--|
| Tech-Power International Co. | TSA9-20027 WU & TSA9-260023 WU Series | TSA9-240025WU (24), TSA9-245024 WU (25), TSA9-220027 WU (22), TSA9-235025 WU (24), TSA9-225026 WU (23), TSA9-250024 WU (25), TSA9-230026 WU (23), TSA9-260023 WU (26), TSA9-255023 WU (26) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 25 Voltage | 0.21 Watts | 76.59 | 0.498 W/VA | 0.24 Watts | 75.62 | 25 Voltage | 0.23 Watts | 77.08 | 0.505 W/VA | 0.26 Watts | 77.39 |
| Tech-Power International Co. | TSA9-20027 WU & TSA9-260023 WU Series | TSA9-240025WU (24), TSA9-245024 WU (25), TSA9-220027 WU (22), TSA9-235025 WU (24), TSA9-225026 WU (23), TSA9-250024 WU (25), TSA9-230026 WU (23), TSA9-260023 WU (26), TSA9-255023 WU (26) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 26 Voltage | 0.21 Watts | 76.59 | 0.498 W/VA | 0.24 Watts | 75.62 | 26 Voltage | 0.23 Watts | 77.08 | 0.505 W/VA | 0.26 Watts | 77.39 |
| Tech-Power International Co. | TSA9-265022 WU & TSA9-300020 WU Series | TSA9-295020WU (30), TSA9-280021 WU (28), TSA9-270022 WU (27), TSA9-275021 WU (28), TSA9-265022 WU (27), TSA9-300020 WU (30), TSA9-285021 WU (29), TSA9-290020 WU (29) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 26.5 Voltage | 0.23 Watts | 75.52 | 0.508 W/VA | 0.23 Watts | 75.42 | 26.5 Voltage | 0.21 Watts | 79.53 | 0.492 W/VA | 0.26 Watts | 76.9 |
| Tech-Power International Co. | TSA9-265022 WU & TSA9-300020 WU Series | TSA9-295020WU (30), TSA9-280021 WU (28), TSA9-270022 WU (27), TSA9-275021 WU (28), TSA9-265022 WU (27), TSA9-300020 WU (30), TSA9-285021 WU (29), TSA9-290020 WU (29) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 27.5 Voltage | 0.23 Watts | 75.52 | 0.508 W/VA | 0.23 Watts | 75.42 | 27.5 Voltage | 0.21 Watts | 79.53 | 0.492 W/VA | 0.26 Watts | 76.9 |
| Tech-Power International Co. | TSA9-265022 WU & TSA9-300020 WU Series | TSA9-295020WU (30), TSA9-280021 WU (28), TSA9-270022 WU (27), TSA9-275021 WU (28), TSA9-265022 WU (27), TSA9-300020 WU (30), TSA9-285021 WU (29), TSA9-290020 WU (29) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 27 Voltage | 0.23 Watts | 75.52 | 0.508 W/VA | 0.23 Watts | 75.42 | 27 Voltage | 0.21 Watts | 79.53 | 0.492 W/VA | 0.26 Watts | 76.9 |

| Company Name | Family Name | Models In Family* | Power Supply Type | Nameplate AC Input Voltage (V) | Nameplate AC Input Frequency (Hz) | Product Family Nameplate Output Power (W) | Low Voltage Model Nameplate DC Output Voltage (VDC) | Low Voltage No-Load Input Power 115V @ 60Hz (W) | Low Voltage Average Active Efficiency 115V @ 60Hz (%) | Low Voltage True Power Factor at 100% of Rated Load (115V)** | Low Voltage No Load Input Power 230V @ 50Hz (W) | Low Voltage Average Active Efficiency 230V @ 50Hz (%) | High Voltage Model Nameplate DC Output Voltage (VDC) | High Voltage No-Load Input Power 115V @ 60Hz (W) | High Voltage Average Active Efficiency 115V @ 60Hz (%) | High Voltage True Power Factor at 100% of Rated Load (115V)** | High Voltage No Load Input Power 230V @ 50Hz (W) | High Voltage Average Active Efficiency 230V @ 50Hz (%) |
|------------------------------|--|---|--|--------------------------------|-----------------------------------|---|---|---|---|--|---|---|--|--|--|---|--|--|
| Tech-Power International Co. | TSA9-265022 WU & TSA9-300020 WU Series | TSA9-295020WU (30), TSA9-280021 WU (28), TSA9-270022 WU (27), TSA9-275021 WU (28), TSA9-265022 WU (27), TSA9-300020 WU (30), TSA9-285021 WU (29), TSA9-290020 WU (29) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 28.5 Voltage | 0.23 Watts | 75.52 | 0.508 W/WVA | 0.23 Watts | 75.42 | 28.5 Voltage | 0.21 Watts | 79.53 | 0.492 W/WVA | 0.26 Watts | 76.9 |
| Tech-Power International Co. | TSA9-265022 WU & TSA9-300020 WU Series | TSA9-295020WU (30), TSA9-280021 WU (28), TSA9-270022 WU (27), TSA9-275021 WU (28), TSA9-265022 WU (27), TSA9-300020 WU (30), TSA9-285021 WU (29), TSA9-290020 WU (29) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 28 Voltage | 0.23 Watts | 75.52 | 0.508 W/WVA | 0.23 Watts | 75.42 | 28 Voltage | 0.21 Watts | 79.53 | 0.492 W/WVA | 0.26 Watts | 76.9 |
| Tech-Power International Co. | TSA9-265022 WU & TSA9-300020 WU Series | TSA9-295020WU (30), TSA9-280021 WU (28), TSA9-270022 WU (27), TSA9-275021 WU (28), TSA9-265022 WU (27), TSA9-300020 WU (30), TSA9-285021 WU (29), TSA9-290020 WU (29) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 29.5 Voltage | 0.23 Watts | 75.52 | 0.508 W/WVA | 0.23 Watts | 75.42 | 29.5 Voltage | 0.21 Watts | 79.53 | 0.492 W/WVA | 0.26 Watts | 76.9 |
| Tech-Power International Co. | TSA9-265022 WU & TSA9-300020 WU Series | TSA9-295020WU (30), TSA9-280021 WU (28), TSA9-270022 WU (27), TSA9-275021 WU (28), TSA9-265022 WU (27), TSA9-300020 WU (30), TSA9-285021 WU (29), TSA9-290020 WU (29) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 29 Voltage | 0.23 Watts | 75.52 | 0.508 W/WVA | 0.23 Watts | 75.42 | 29 Voltage | 0.21 Watts | 79.53 | 0.492 W/WVA | 0.26 Watts | 76.9 |
| Tech-Power International Co. | TSA9-265022 WU & TSA9-300020 WU Series | TSA9-295020WU (30), TSA9-280021 WU (28), TSA9-270022 WU (27), TSA9-275021 WU (28), TSA9-265022 WU (27), TSA9-300020 WU (30), TSA9-285021 WU (29), TSA9-290020 WU (29) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 5 Watts | 30 Voltage | 0.23 Watts | 75.52 | 0.508 W/WVA | 0.23 Watts | 75.42 | 30 Voltage | 0.21 Watts | 79.53 | 0.492 W/WVA | 0.26 Watts | 76.9 |
| Touch Electronics Co., Ltd. | A2-60S12R Series | A2-60S12R-X (12), A2-60S12R-X (17) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 60 Watts | 12 Voltage | 0.3 Watts | 87.16 | 0.544 W/WVA | 0.4 Watts | 87.36 | 12 Voltage | 0.3 Watts | 87.48 | 0.547 W/WVA | 0.4 Watts | 87.33 |
| Touch Electronics Co., Ltd. | A2-60S12R Series | A2-60S12R-X (12), A2-60S12R-X (17) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 60 Watts | 17 Voltage | 0.3 Watts | 87.16 | 0.544 W/WVA | 0.4 Watts | 87.36 | 17 Voltage | 0.3 Watts | 87.48 | 0.547 W/WVA | 0.4 Watts | 87.33 |

| Company Name | Family Name | Models In Family* | Power Supply Type | Nameplate AC Input Voltage (V) | Nameplate AC Input Frequency (Hz) | Product Family Nameplate Output Power (W) | Low Voltage Model Nameplate DC Output Voltage (VDC) | Low Voltage No-Load Input Power 115V @ 60Hz (W) | Low Voltage Average Active Efficiency 115V @ 60Hz (%) | Low Voltage True Power Factor at 100% of Rated Load (115V)** | Low Voltage No Load Input Power 230V @ 50Hz (W) | Low Voltage Average Active Efficiency 230V @ 50Hz (%) | High Voltage Model Nameplate DC Output Voltage (VDC) | High Voltage No-Load Input Power 115V @ 60Hz (W) | High Voltage Average Active Efficiency 115V @ 60Hz (%) | High Voltage True Power Factor at 100% of Rated Load (115V)** | High Voltage No Load Input Power 230V @ 50Hz (W) | High Voltage Average Active Efficiency 230V @ 50Hz (%) |
|-----------------------------|--------------------|--|--|--------------------------------|-----------------------------------|---|---|---|---|--|---|---|--|--|--|---|--|--|
| Touch Electronics Co., Ltd. | M8-10 US05R Series | M8-10US05R-X (5),M8-10US05R-X (7) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 10 Watts | 5 Voltage | 0.29 Watts | 77.03 | 0.47 W/VA | 0.27 Watts | 74.58 | 5 Voltage | 0.25 Watts | 78.2 | 0.48 W/VA | 0.3 Watts | 78.5 |
| Touch Electronics Co., Ltd. | M8-10 US08R Series | M8-10US08R-X (8),M8-10US08R-X (11) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 10 Watts | 11 Voltage | 0.3 Watts | 80.09 | 0.47 W/VA | 0.28 Watts | 80.93 | 11 Voltage | 0.26 Watts | 80.91 | 0.47 W/VA | 0.26 Watts | 76.97 |
| Touch Electronics Co., Ltd. | M8-10 US08R Series | M8-10US08R-X (8),M8-10US08R-X (11) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 10 Watts | 8 Voltage | 0.3 Watts | 80.09 | 0.47 W/VA | 0.28 Watts | 80.93 | 8 Voltage | 0.26 Watts | 80.91 | 0.47 W/VA | 0.26 Watts | 76.97 |
| Touch Electronics Co., Ltd. | M8-15 US12R Series | M8-15US12R-X (12),M8-15US12R-X (17) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 15 Watts | 12 Voltage | 0.26 Watts | 82.98 | 0.54 W/VA | 0.3 Watts | 82.29 | 12 Voltage | 0.2 Watts | 84.74 | 0.52 W/VA | 0.28 Watts | 82.93 |
| Touch Electronics Co., Ltd. | M8-15 US12R Series | M8-15US12R-X (12),M8-15US12R-X (17) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 15 Watts | 17 Voltage | 0.26 Watts | 82.98 | 0.54 W/VA | 0.3 Watts | 82.29 | 17 Voltage | 0.2 Watts | 84.74 | 0.52 W/VA | 0.28 Watts | 82.93 |
| W&T Electronics Co., Ltd | W&T-AD18Wxxxyyz | W&T-AD18W072250 (7),W&T-AD18W240075 (24),W&T-AD18W050300 (5) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 18 Watts | 24 Voltage | 0.12 Watts | 78.44 | 0.53 W/VA | 0.18 Watts | 78.8 | 24 Voltage | 0.10 Watts | 85.28 | 0.53 W/VA | 0.16 Watts | 81.73 |
| W&T Electronics Co., Ltd | W&T-AD18Wxxxyyz | W&T-AD18W072250 (7),W&T-AD18W240075 (24),W&T-AD18W050300 (5) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 18 Watts | 5 Voltage | 0.12 Watts | 78.44 | 0.53 W/VA | 0.18 Watts | 78.8 | 5 Voltage | 0.10 Watts | 85.28 | 0.53 W/VA | 0.16 Watts | 81.73 |
| W&T Electronics Co., Ltd | W&T-AD18Wxxxyyz | W&T-AD18W072250 (7),W&T-AD18W240075 (24),W&T-AD18W050300 (5) | External Power Supply - Ac-Dc Single Voltage | 100-240 Voltage | 50-60 Hz | 18 Watts | 7.2 Voltage | 0.12 Watts | 78.44 | 0.53 W/VA | 0.18 Watts | 78.8 | 7.2 Voltage | 0.10 Watts | 85.28 | 0.53 W/VA | 0.16 Watts | 81.73 |