

**Input Specifications**

<b>Voltage</b>	100-120/200-240VAC ±10% (Auto Select) 100-240Vac ±10% (Active PFC) -48VDC (-38 to -72VDC)
<b>Current</b>	7A/4A (AC Auto Select) / 6.3A (AC Active PFC) 11A (DC -48V)
<b>Frequency (AC I/P)</b>	50/60 Hz, Range 47-63 Hz
<b>Efficiency</b>	>65% at full load, nominal line input
<b>Inrush Current</b>	60A max @ 25°C cold start (AC I/P) 30A max @ 25°C cold start (DC I/P)
<b>Leakage Current</b>	<3.5mA (AC I/P)

**Output Specifications**

Voltage	+5V	+12V	+3.3V*	-5V*	-12V*	+5Vsb*
<b>Max load</b>	30.0A	11.0A	22.0A	1.0A	1.0A	1.5A
<b>Min load</b>	2.5A	0.5A	0.3A	0.0A	0.0A	0.0A
<b>Peak load</b>	---	14.0A	---	---	---	---
<b>Regulation</b>	±3%	±3%	±3%	±10%	±10%	±5%
<b>Ripple</b>	50mV	100mV	50mV	150mV	150mV	100mV
<b>Ripple &amp; Noise</b>	100mV	150mV	100mV	200mV	200mV	100mV

- The continuous total output power is 300W max
- The outputs marked with " \* " can be optional
- The combined power of +5V and +3.3V is 160W max
- The peak load on +12V lasting 15 seconds max
- Add 0.1uF and 10uF capacitors across output terminal during ripple & noise test

<b>Remote ON/OFF</b> (Optional)	TTL High/PS-OFF; TTL Low/PS-ON VIL=0.8Vmax, IIL=-1.6mAmax @ Vin=0.4V VIH=2.0Vmin @Iin=-200uA, VIH=5.25Vmax @open ckt.
<b>Hold-Up Time (AC I/P)</b>	16msec (minimum) at full load, nominal line I/P
<b>Power Good Delay</b>	100-500 msec
<b>Power Fail Delay</b>	>1 msec
<b>Transient Overshoot</b>	10% max with 20% load change
<b>Rise Time</b>	100ms max at full load
<b>Power Up Time</b>	600ms max at full load (AC Auto Select) 2000ms max at full load (AC Active PFC) 1200ms max at full load (DC -48V)
<b>Temp. Coefficient</b>	0.03% per °C max

**Protection Specifications**

<b>Short Circuit</b>	All outputs to GND	
<b>Over power</b>	150% max	
<b>Over Voltage</b>	+3.3V output	4.10V±0.40V
	+5.0V output	6.25V±0.75V
	+12.0V output	14.6V±1.00V

**Dielectric Withstand Voltage**

<b>Primary to Secondary</b>	1500Vac for 1 minute or 1800Vac for 1 second
<b>Primary to Earth GND</b>	1500Vac for 1 minute or 1800Vac for 1 second
<b>Insulation Resistance</b>	Primary to earth ground – 500Vdc, 50M ohms

**Conducted EMI (For AC I/P only)**

<b>Meet FCC</b>	Class A, 115Vac operation
<b>Meet CISPR 22</b>	Class A, 230Vac operation
<b>Meet VCCI</b>	Class 2

**Safety Standards**

<b>UL 1950</b>	E193705 (QQGQ2)
<b>CUL</b>	E193705 (QQGQ8)
<b>TUV EN 60950</b>	
<b>CB Report</b>	
<b>CE</b>	

**Environmental Specifications**

<b>Operating Temp.</b>	0°C to +50°C
<b>Storage Temp.</b>	-20°C to +60°C
<b>Operating Humidity</b>	20% to 90%, non-condensing at 40°C
<b>Storage Humidity</b>	5% to 95%, non-condensing at 50°C
<b>Operating Altitude</b>	0 to 10,000 feet
<b>Storage Altitude</b>	0 to 50,000 feet

**MTBF @ 25°C (Calculated - MIL-217F)**

100K HRS. at 75% load

**Dimensions**

W x H x D (see mechanical drawing in detail)