



±9V~18V DC Input PC ATX 2.01 Switching Power Supply

- Dependable industrial grade quality
- Comes with durable design with high quality ball bearing fan
- Support up to 60°C operation
- Reverse polarity protected

Model No.	Output Watts	Nominal Input	Input Voltage Range	Polarity Reverse Protection
P6400SC-12	400 W	±12VDC	±9VDC~ ±18VDC	Protected (Max. 50V DC)
P6350SC-12	350 W			
P6300SC-12	300 W			

ENVIRONMENTAL CONDITIONS:

- ▶ Cooling: Forced Air-cooling, **80x80x25 mm Fan x 1(With Two Ball Bearing)**
- ▶ Operating Temperature: 0°C~+60°C
- ▶ Operating Humidity: 20%~85% RH. (Non-condensing)
- ▶ Storage Temperature: -20°C~+80°C
- ▶ Storage Humidity: 10%~90% RH. (Non-condensing)
- ▶ Operating Altitude: 10M below Sea level to 3000M above Sea level

DC INPUT CHARACTERISTICS:

- ▶ Input connector type: 50A/300V UL Approved Gold plated brass 1.2t/ 3-Pin Terminal
- ▶ Input Current: 50A/20A (max.) @Full Load & Low Line
- ▶ Inrush Current: Less than 10A Cold start @25°C ambient

DC OUTPUT CHARACTERISTICS:

Output Voltage	Regulation			Output Power/Current						Ripple & Noise
	Load	Line	Cross	400W		350W		300W		
				Min.	Max.	Min.	Max.	Min.	Max.	
+5V	±5%	±1%	±5%	1.5A	50A	1.5A	40A	1.5A	30A	50mV
+12V				0.2A	30A	0.2A	20A	0.2A	12A	120mV
+3.3V				0A	30A	0A	21A	0A	15A	50mV
-5V				0A	1A	0A	1A	0A	0.5A	50mV
-12V				0A	1A	0A	1A	0A	0.8A	120mV
+5VSB	±5%			0A	2A	0A	2A	0A	2A	50mV
Maximum continuous combined load on +3.3 V & +5V DC output shall not exceed. Maximum continuous total DC output power shall not exceed.				230W		210W		175W		Wattage

OVERALL PERFORMANCE:

- ▶ Efficiency: 70% typical @12V DC Full Load
- ▶ Hold up time: $\geq 16\text{ms}$ @ Full load & In specific input voltage
- ▶ Rise time:
- ▶ Power Good Signal: TTL Compatible signal,
on delay 100~500ms, off delay 1ms min.
- ▶ Short Circuit Protection (SCP): All output equipped with SCP (shutdown and latch off)
- ▶ Over Power Protection (OPP): Peak power protected to $130\% \pm 10\%$ of continuous rated power
(shutdown and latch off)
- ▶ Over Voltage Protection (OVP): +5V, +12V & +3.3V

RELIABILITY:

- ▶ MTBF: 100,000 hours @max. Load, 12V DC & 25°C ambient
- ▶ Safety Standards: Meet UL60950, TUV EN60950
- ▶ Safety Approved:
- ▶ EMI Compatibility (EMC): FCC Part 15 Class B, CISPR22 (EN55022) Class B (CE mark)
- ▶ Dielectric Withstand: Input to Output: 1500Vac for 1second
- ▶ Dielectric Withstand: Input to Frame ground 1500Vac for 1second
- ▶ Leakage Current: $<0.75\text{mA}$ @250Vac

Output Device Connector Specific:

ATX 20 Pin x 1	Molex 39-01-2200 or equivalent
+12V (P4) 4 Pin x 1	Molex 39-01-2040 or equivalent
HDD, DVD 4 pin x 8	Molex 8981-04P or equivalent
FDD 4 pin x 1	AMP 171822-4 or equivalent
Serial ATX	Molex 675820000 or equivalent

Extra connector for output more than 400W

ATX 24 Pin x 1	Molex 39-01-2240 or equivalent
+12V (P4) 4 Pin x 1	Molex 39-01-2040 or equivalent
HDD, DVD 4 pin x 8	Molex 8981-04P or equivalent
FDD 4 pin x 1	AMP 171822-4 or equivalent
Serial ATX	Molex 675820000 or equivalent
Process 8 Pin x 1	Molex 39-01-2080 or equivalent

Standard Output Cable Length: 550 mm 21.65 Inches

Power Chassis Dimension: 150(W) x 140(L) x 86(H) mm, 59(W) x 55.1(L) x 33.86(H) Inches

Net Weight: 2~2.3 kg, 4.4~5.07 Lbs

Gross Weight: 2.1~2.4 kg, 4.63~5.29 Lbs

Packing Detail: 8 PCs

Measurement of Carton: 0.046 M³, 1.61 Cuft