



### General Specification

- Standardized form factor and connector interface, which details placement of power supplies within the sub rack along with the location of the power interface
- Multivoltage output of up to 600W within a single connector
- Standardized electrical interface
- Alternating Current (AC)
- Keying for input and output power configurations
- Regulation of bus voltages to ensure compliance with Compact PCI requirements
- Hot-swap capability
- N+1 Redundant
- Communication with the host system
- 6U options
- Compliance to common international safety requirements
- Power factor correction
- Filtering
- Current sharing
- Cooling characteristics
- Min. Load Application

### 1) INPUT

DESCRIPTION	CONDITION
Voltage Range	83 ~ 270 Vac
Frequency Range	45 ~ 65 Hz
Hold Up Time	20 ms
Max. Input Current	6.3 A
Inrush Current	< 15A @Normal Input
PFC	0.995
Protections	OVP, LVP, OCP, Surge

### 2) OUTPUT

DESCRIPTION	CONDITION				
Power	Output1 (V1)	Output1 (V2)	Output1 (V3)	Output1 (V4)	Efficiency
400W	+5V(35A) 175W Max 50A	+3.3V(30A) 99W Max. 50A	+12V(10A) 120W Max. 12A	-12V(2A) 24W Max. 2A	74%
Voltage Regulation	±For V1, V2, V3 and V4				
Line Regulation	±0.3 %				
Noise and Ripple	1% peak-peak or 50mV, which is greater. (V1, V2, V3)				
Current Sharing	±5 %				
Over Load Capacity	120 % continuous Shutdown when OCP point occur				
Protections	OVP, OCP, OTP, LVP, Hot-swap, Short				
Remote Sense	Total voltage compensation for cable losses with 150 mV respect to the main output. (V1, V2, V3)				
Transient Response	Peak transient less than 100mV and returns to within 1% less than 250µS for 25% 50%, 50% 70%, 75% 100%load-change. (Slew rate of loading must be met 0.1A/sec.)				
Hot-swap	< 5% Bug needs to solve (> 50% Load)				

### 3) STATUS AND DISPLAY SPECIFICATION

Item	Specification	Remark
Normal Operation	Green LED Light	Power Good
CPWR Fault	Red LED Light	Fault

RD offers specification list about fault indication condition.

### 4) I/O INTERFACE

Item	Specification	Remark
Power Supply Connector	PICMG 2.11 R1.0	
LED Display	Green + Red 3mm LED	

### 5) INTERFACE SPECIFICATION

Item	Specification
Remote Inhibit (INH#)	Secondary referenced, active low, TTL compatible signal inhibits all outputs upon activation.
Power Fail Warning (FAL#)	Secondary referenced, active low, TTL compatible signal indicates output failure.
Enable (EN#)	Short pin on connector will enable power supply output when the mating pin is grounded. Supply will not power up until this pin is engaged to its mate in the back plane. Unit output will be inhibited as pin is disengaged from the mating connector.
Temperature Warning (DEG#)	Open collector indicates internal temperatures are approaching the thermal shutdown limit.

### 6) ENVIRONMENTAL SPECIFICATION

Item	Specification	Remark
Operating Temperature	0°C ~ 40°C 40°C ~ 70°C	Full-Load Output Derating from 100% to 50%
Storage Temperature	-40°C ~ 85°C	
Operating Humidity	0 ~ 95 % (Non-condensing)	
Air Flow	15 C.F.M	
Audible Noise	< 40 dBA	@ 1 Meter
Dimensions W×D×H	Euro card 6U × 8HP × 267mm	
Weight (Kg)	1.35	

### 7) Safety and EMI Specifications

Item	Specification	Remark
Safety	UL 1950 / cUL 1950 / EN60950	
EMI	EN 55022: 1998 Class A	
Harmonic Current Emission	EN 61000-3-2: 1995 Class A Amendment 1:1998 / Amendment 2:1998 / Amendment 14:2000	
Voltage Fluctuation and Flicker	EN 61000-3-3: 1995	
EMS	EN 55024: 1998 IEC 61000-4-2: 1995 ESD IEC 61000-4-3: 1995 RS IEC 61000-4-4: 1995 EFT/B IEC 61000-4-5: 1995 Surge IEC 61000-4-6: 1996 CS IEC 61000-4-8: 1993 Power Frequency Magnetic Field IEC 61000-4-11: 1994 Voltage Dips and Interruption Measurement	

### 8) MECHANICAL DRAWING:

