

Power Distribution Board

600 WATT / MULTI-OUTPUT

KEY FEATURES:

- 600 Watts Output Power
- 12V, 5V, 3.3V, 5Vs outputs
- 12V Input
- Custom Form Factor 3" x 6.6" x 1.16"
- High Reliability in excess of 100,0000 Hours



MODEL	V1	V2	V3	Standby (Vs)	
ARD-1313-00	+12.0V	+5.0V	+3.3V	+5.0Vs	Voltage
	30A	12A	15A	5A	Max Current
	120	50	50	50	Ripple/Noise (mVp-p)
	5%	5%	5%	5%	Regulation

Total Max Power is 600W

INPUT SPECIFICATIONS

Input Voltage	12 Vdc
Input Frequency	N/A
Input Current	60A @ 12Vdc
Inrush Current	N/A
Input Protection	N/A
Leakage Current	N/A
Power Factor Correction	N/A

ENVIRONMENT SPECIFICATIONS

Operating Temperature	0 °C to +50 °C
Storage Temperature	-40 °C to +85 °C
Cooling	System Cooling
MTBF	100 kHrs to MIL-HDBK-217F at 25 °C
Shock	Storage: 30G , 11ms, 1/2 sine wave pulse, 6 axis Operation: 5G , 11ms, 1/2 sine wave pulse, 6 axis
Vibration	2G rms, 5Hz to 500kHz, 3 axis

OUTPUT SPECIFICATIONS

Setpoint Accuracy	+/- 1%
Total Output Power	600W
Hold-up Time	N/A
Efficiency	90% typical
Minimum Load	No minimum load
Isolation (HiPot)	N/A
PSON	Turns on the outputs when signal is pulled low.
Power Good	Goes high (> 2.4V) within 100ms - 500ms of output in regulation. Goes low (<0.4V) at least 1ms before output out of regulation

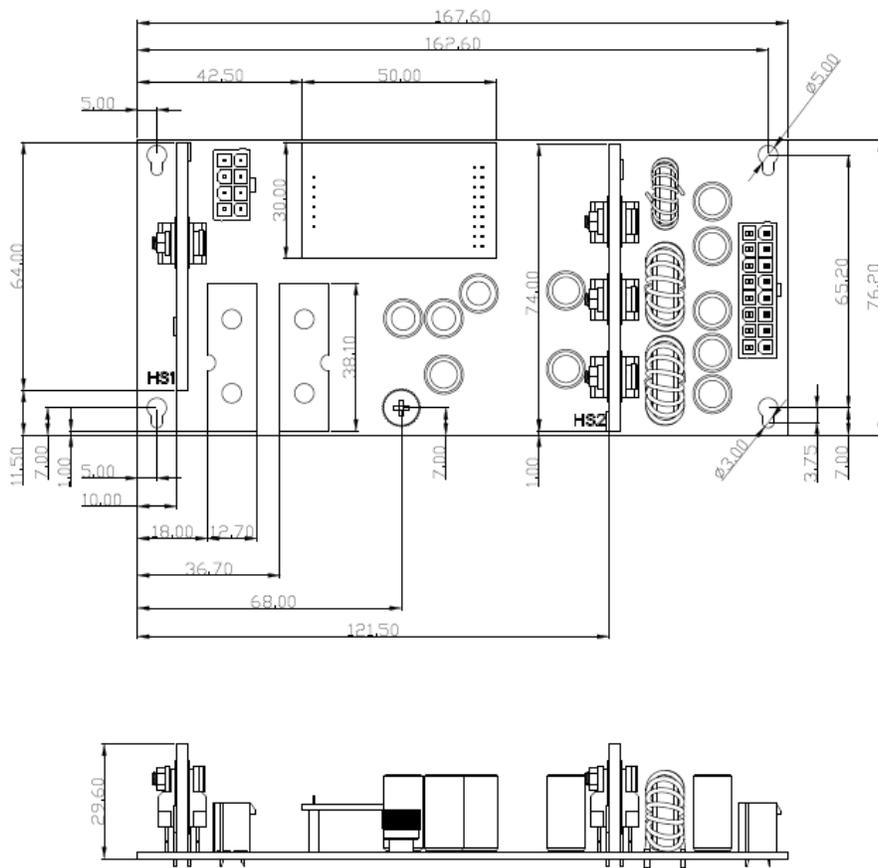
PROTECTION

Overvoltage	Latch-mode (Cycle AC input or ExtOff to reset)
Overpower	Latch-mode (Cycle AC input or ExtOff to reset)
Short Circuit	Latch-mode (Cycle AC input or ExtOff to reset)
Thermal	Latch-mode (Cycle AC input or ExtOff to reset)



Typical Outline Drawing:

(REFER TO PRODUCT MECHANICAL DRAWING FOR COMPLETE INFORMATION)



CONNECTORS

Input (CN1)
Screw Terminals

Pin	Signal	Pin	Signal
CN3			
1	+12V	5	COM
2	+12V	6	COM
3	+12V	7	COM
4	+12V	8	COM
CN4			
1	PG	9	+5Vs
2	PS0N	10	+5V
3	GND	11	+5V
4	GND	12	+5V
5	GND	13	GND
6	GND	14	GND
7	GND	15	+3.3V
8	+3.3V	16	+3.3V
PMBus (J803)			
1	GND	3	SCL
2	SDA		