

- Industrial / IT Approvals
- Semi F47 Compliant
- IEC Inlet
- Customer Specific Lead & Connector
- Input Logic Signals
- -20 °C Operation
- 3 Year Warranty

## Specification

### Input

Input Voltage	• 85-264 VAC (120-370 VDC). Full power at 90 VAC, derate by 10% at 85 VAC.
Input Frequency	• 47-63 Hz, 400 Hz (all specifications met at 400 Hz, except leakage current)
Input Current	• 12.0 A at 115 VAC, 6.00 A at 230 VAC
Inrush Current	• <40 A
Power Factor	• 0.99 typical at 115 VAC & 230 VAC full load
Earth Leakage Current	• <1.5 mA at 264 VAC, 50 Hz
Input Protection	• T15 A 250 V

### Output

Output Power	• 880 W
Output Voltage	• 80 V
Minimum Load	• No min load required
Start Up Delay	• 2 s typical
Hold Up Time	• 20 ms at 90 VAC input & full output load
Line Regulation	• <0.1%
Load Regulation	• <1.0%
Ripple & Noise	• 50 mV or 1% pk-pk at 20 MHz bandwidth, whichever is greater
Oversvoltage Protection	• 115-130% Vnom
Overtemperature Protection	• 115 °C measured internally, auto resetting
Overload Protection	• 110-140%
Short Circuit Protection	• Continuous trip & restart (hiccup mode)
Temperature Coefficient	• 0.03%/°C
Housekeeping Voltage	• 5V/1 A from each chassis

### General

Efficiency	• Up to 89%
Isolation	• 4000 VAC Input to Output 2 x MOPP, 1500 VAC Input to Ground 1 x MOPP, 250 VDC Output to Ground
Switching Frequency	• 60 kHz typ PFC, 200 kHz typ modules
Signals	• See signals page
MTBF	• 225 kHrs typ to MIL-HDBK-217F at 25 °C, GB

### Environmental

Operating Temperature	• -20 °C to +70 °C. For operation above +50 °C, derate linearly to 50% load at +70 °C
Cooling	• Forced air cooling
Operating Humidity	• 5-95% RH, non-condensing
Storage Temperature	• -40 °C to +85 °C
Operating Altitude	• 3000 m at full specification
Shock	• MIL STD-810 Method 516.4 Procedure 1, 30 g, half sine, 6 axes
Vibration	• MIL STD-810 Method 514.4 Procedure 1, 1 g rms, 5-500 Hz, 3 axes

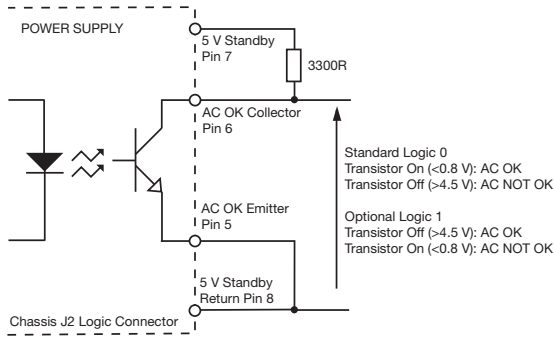
### EMC & Safety

Emissions	• EN55022 (CISPR22) Class B conducted
Immunity	• EN60601-1-2, EN61204-3
Harmonic Currents	• EN61000-3-2, Class A
Voltage Flicker	• EN61000-3-3
ESD Immunity	• EN61000-4-2, level 4 Perf Criteria A
Radiated Immunity	• EN61000-4-3, 10 V/m Perf Criteria A
EFT/Burst	• EN61000-4-4, level 3 Perf Criteria A
Surge	• EN61000-4-5, installation class 3, Perf Criteria A, SEMI F47
Conducted Immunity	• EN61000-4-6, level 3 Perf Criteria A
Dips and Interruptions	• EN61000-4-11, 30% 10 ms, 60% 100 ms, 100% 5000 ms, Perf Criteria A, B, B
Safety Approvals	• EN60950, UL60950

**Global AC OK/Power Fail**

Global AC OK is an isolated transistor of an optocoupler providing a minimum of 5 ms warning of loss of output regulation. The signal is fully isolated and the collector and emitter must be connected externally.

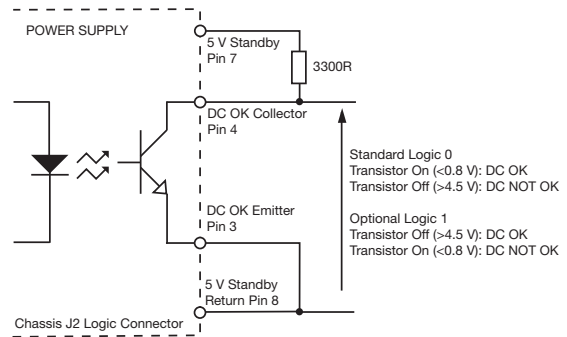
Maximum sink current 2 mA, maximum voltage 20 V.



**Global DC OK**

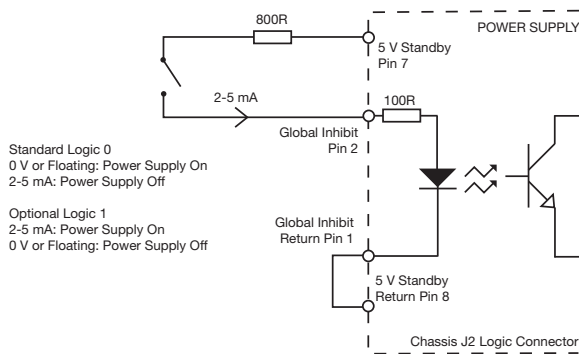
Global DC OK is an isolated transistor of an optocoupler providing warning that the output voltage has fallen below 90% of nominal. The signal is fully isolated and the collector and emitter must be connected externally.

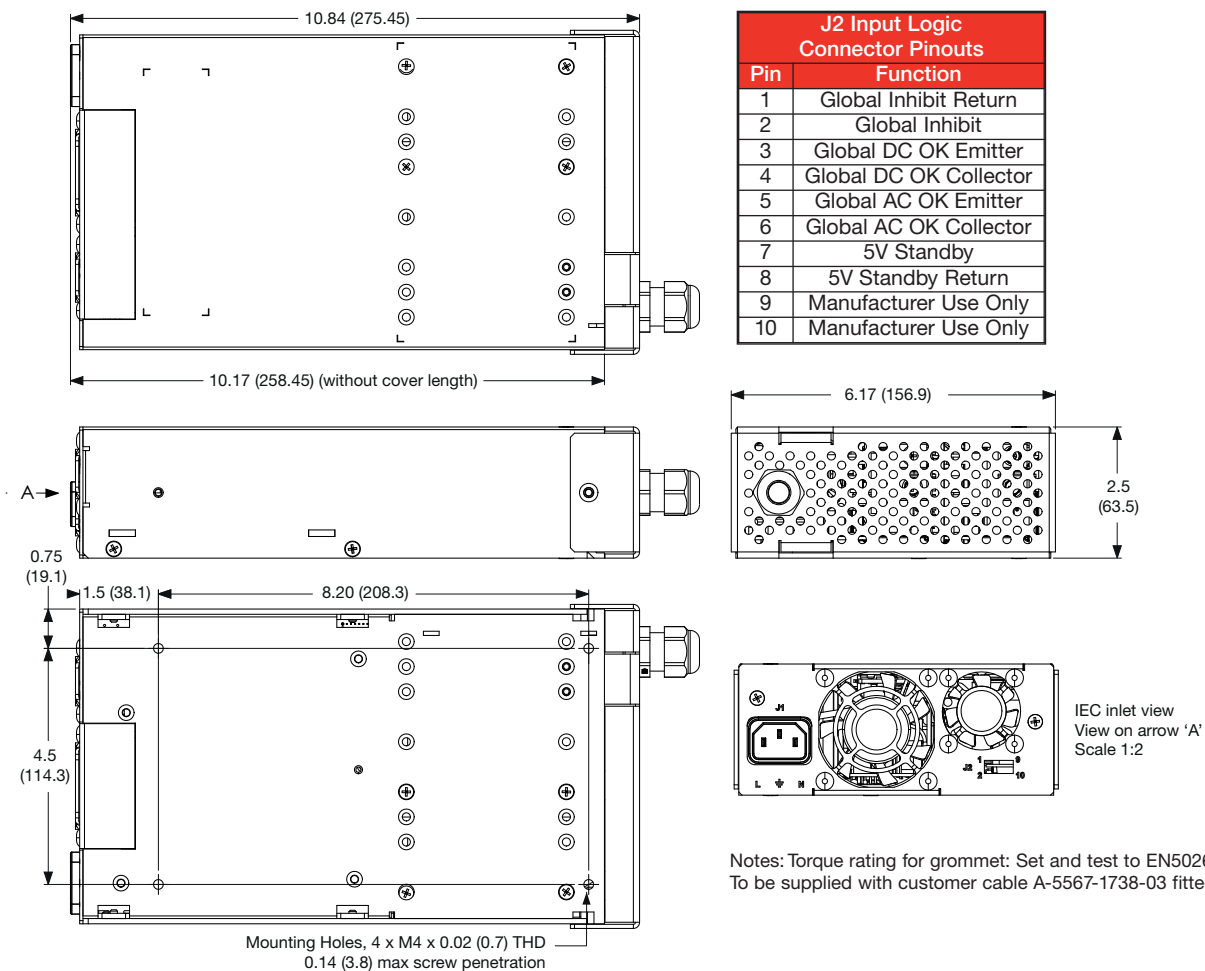
Maximum sink current 2 mA, maximum voltage 20 V.  
On Dual output module, DC OK monitors V1 output only.



**Global Inhibit**

Global Inhibit is an isolated control signal input which turns the power supply off by supplying 2 to 5 mA into the pin.





**Notes**

1. All dimensions in mm.  
Tolerance X.XX = ±0.02 (0.05), X.XXX = ±0.01 (0.25)
2. Weight: 3.3 lbs (1500 g) approx.
3. Mating plug for J2: JST p/n PHDR-10VS.
4. Contact: 26-22 AWG JST p/n SPHD-001T-P0.5.
5. IEC320-C14 input.
6. Output flying lead & connector: A-5567-1738-03, 48-58V PSU Power Cable Assy 1.5m