General

Characteristic	Minimum	Typical	Maximum	Units	Notes & Conditions
Efficiency		85		%	See fig. 2 & 3
Isolation: Input to Output	3000			VAC	
Input to Ground	2000			VAC	
Output to Ground	500			VAC	
Switching Frequency			70	kHz	PFC
			130	kHz	Main converter
			200	kHz	Standby
Power Density			7.4	W/in³	>180 VAC
Mean Time Between Failure		177		kHrs	MIL-HDBK-217F, +25 °C GB
Weight		2.8 (1.7)		lb (kg)	

Efficiency Vs Load

Figure 2
HHP650PS12

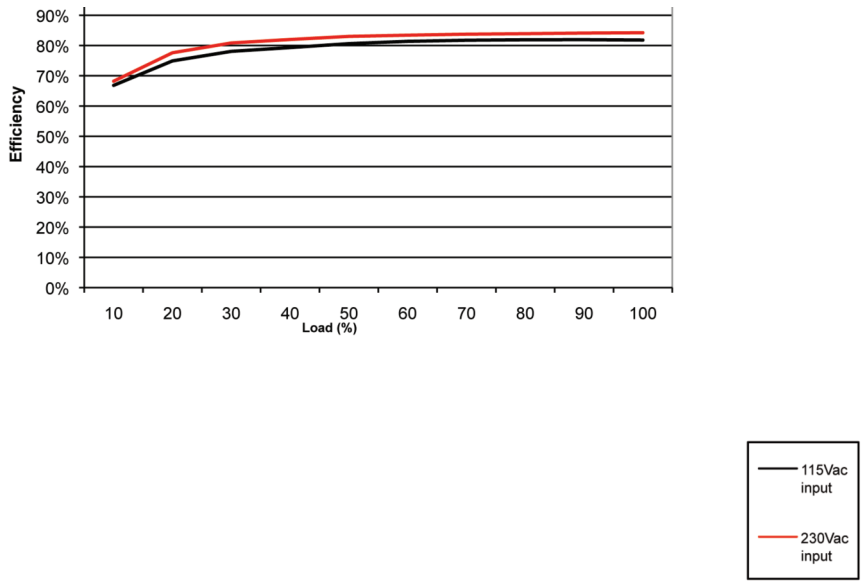
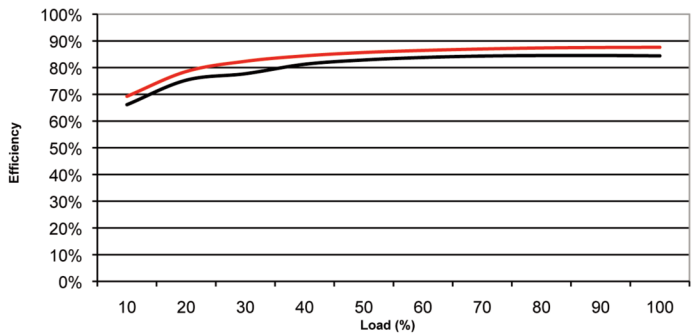


Figure 3
HHP650PS48

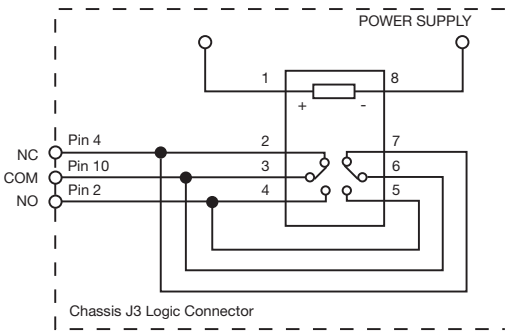


Signals & Controls

Characteristic	Notes & Conditions
Remote Sense	Compensates for 0.5 V total voltage drop
DC OK	Volt free relay contacts NO/NC (see fig.4)
Remote On/Off (Inhibit/Enable)	Uncommited isolated optocoupler diode, powered diode inhibits both V1 & V2 (fan supply) (see fig.5)
Current Share	When 2 to 5 units (with the same output voltage) are used in parallel to increase output current, the current share pins 7/8 of one unit should be connected to pins 7/8 of the other unit(s). This will force the current to share between the outputs. Similarly pins 9/11 of each unit should also be connected as a ground reference. Units share current within 10% of each other at full load.
Standby Supply	Isolated 5 V/0.2 A supply, always present when AC supplied.

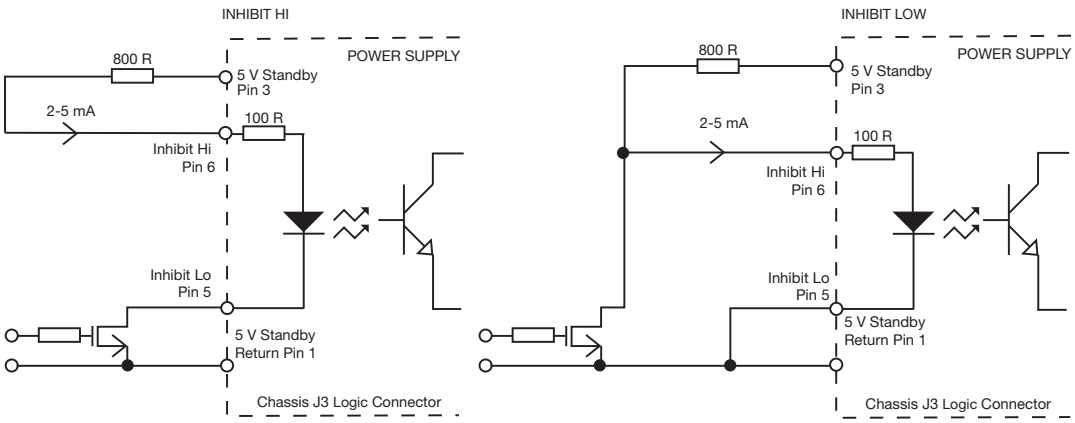
DC OK

Figure 4



Remote On/Off (Inhibit)

Figure 5



Signal High: Power Supply OFF
Low or Floating: Power Supply ON

Signal High: Power Supply ON
Low or Floating: Power Supply OFF