

## Parameter

## Specification

Rev2 - March 2013

### Input Characteristics

Voltage range	280VDC to 800VDC
Transient voltage max.	1100VDC for 100ms
Input to output isolation	4kV, optional 6kV
Protection	Transient voltage protection
UV lock out	Action - disables output at 265V
Power supply enable	Contact closure, optional 5V logic level

### Output Characteristics

Output power	500W @ 85C baseplate
Output voltage / HV800LV48-500W	48VDC, +/-0.5V
Output voltage / HV800LV24-500W	24VDC, +/-0.5V
Output voltage / HV800LV15-500W	15VDC, +/-0.5V
Line/load regulation	+/-1%
Output rise time	10ms
Output voltage ripple at fundamental frequency <200kHz	<300mVp-p, 50mv option
Efficiency @ 25C baseplate	>90%
Current Limit	14A-(48V), 24A-(24V), 36A-(15V) ---- +/- 10%
Short circuit protection	Response time <80us, stabilizes current limit mode <2ms
Load response, 50% to 100% load step	<5% voltage deviation, recovery <2ms

### Environmental

Operating temperature, measured at base plate	(-40C to +85C)
Non-operating temperature	(-62C to +125C)
Humidity	0 to 95%
Altitude	12000 ft, optional 100,000ft
Vibration	MIL-STD-810A
Shock	MIL-STD-202C, Method 205C
Cooling	Conduction cooled through the base plate

### Options

Scalability	1.5KW - depends on available cooling
High voltage input connector options	High voltage terminal block or flying leads
Output connector options	Terminal block

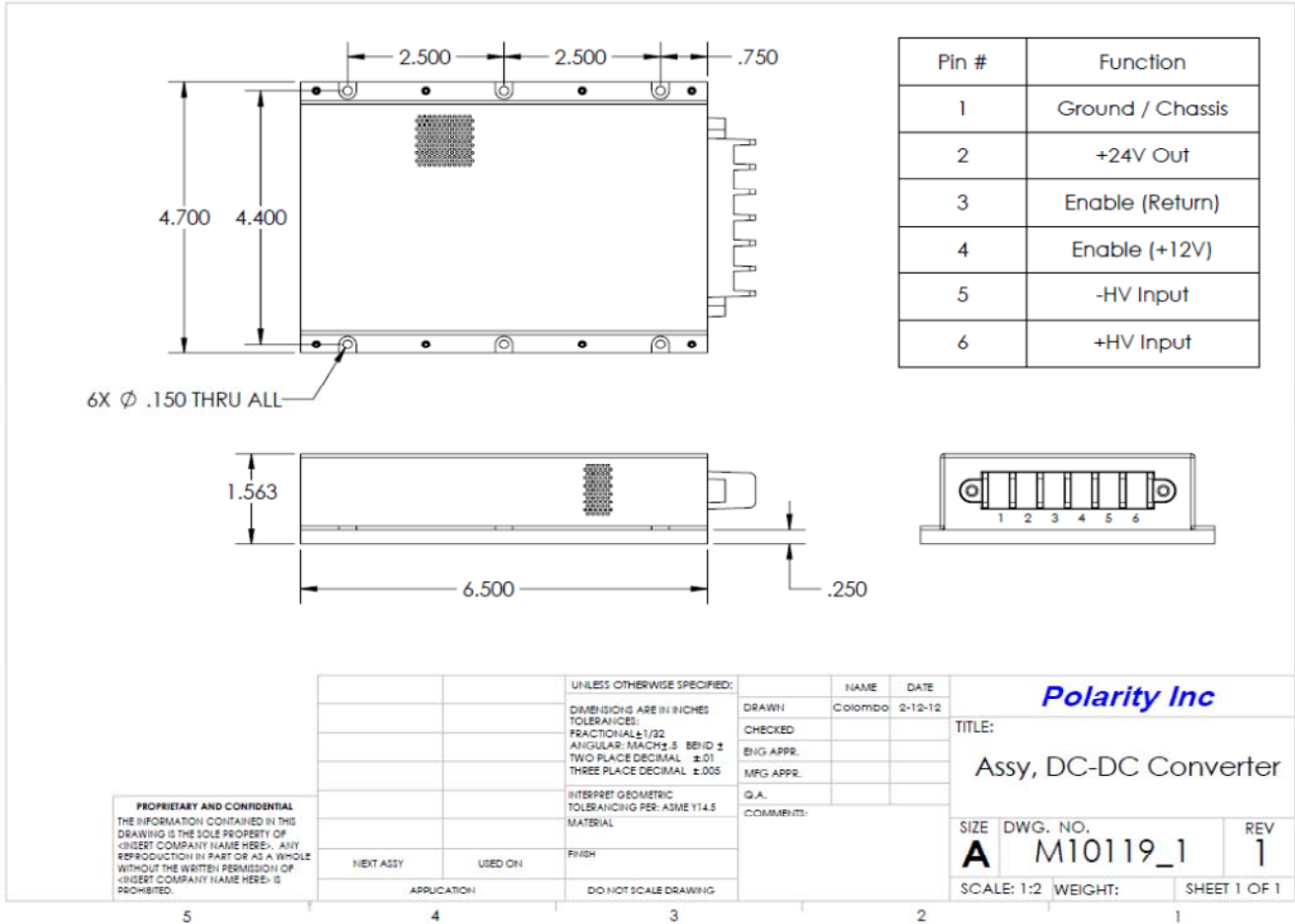
Enable Configuration

Contact closure, contact open, or external 5V logic

**Mechanical Characteristics**

Size

4.7"W x 6.5"L x 1.5"H



**Product Picture**



**Weight 2.5lbs**