

### Key Features

- High Efficiency
- RoHS Compliance
- Over Voltage Protection
- Over Current Protection
- Short Circuit Protection
- 100% Burn-In
- 100% Hi-Pot Tested
- MTBF > 100,000 hours



### Electrical Specifications

#### Input

Input Voltage	90-264VAC
Input Frequency	47-63 Hz
Input Current (RMS)	1.5A max. at 115VAC 0.8A max. at 230VAC
Inrush Current	60A max. at 110VAC 120A max. at 220VAC
No Load Consumption	<500mW

#### Output

Maximum Output Power	65W max.
Output Voltage/Current	See table
Ripple and Noise	See table
Over Voltage Protection	150-165% nominal output
Over Current Protection	Between 110-160% of rated output, depending on model. Can withstand continuous short circuit at DC output
Transient Response	5% Max. voltage excursions for load steps of +/-50%
Minimum Load	No minimum load

#### Environmental

Operating Temperature	0°C to 70°C*
Storage Temperature	-20°C to 85°C
Operating Humidity	20 to 90%
Storage Humidity	20 to 90%
Operating Elevation	Sea level to 5,000m

\*Derate output power by 1.625W/°C above 50°C

#### General

Efficiency	87% Average, all Models. Compliant with: Energy Star V2.0 CEC Level V ErP STEP 2
Hold-up Time	8.3ms minimum at full load
Line Regulation	±1% maximum at full load
Withstand Voltage	4242VDC from input to output 2121VDC from input to ground
MTBF	100,000 hours at 25°C
Dimensions	2"L x 4"W x 1.46"H
Typical Weight	200g

#### Safety & EMC

##### Safety Approvals

USA	UL60950-1
Canada	CSA C22.2 No. 60950-1
Europe	CB IEC 60950-1
Isolation	3000VAC input to output 1500 VAC input to ground
EMC	FCC Class B Radiated & Conducted EN55032 Class B Radiated & Conducted CISPR 32 Class B Radiated & Conducted Harmonic Distortion: Class A Line Flicker ± 4kV Contact Discharge 3 V/m Radiated Immunity ± 1kV Line Transient/ Burst ± 1kV diff., ± 2kV com. Surge 3 Vrms Conducted Immunity 1A/m, 50Hz Magnetic Field Immunity 30% Reduction for 500ms (Dip) >95% Reduction for 10ms (Dip) >95% Reduction for 5s (Interruption)**
EN61000-3-2	
EN61000-3-3	
EN61000-4-2	
EN61000-4-3	
EN61000-4-4	
EN61000-4-5	
EN61000-4-6	
EN61000-4-8	
EN61000-4-11	

\*\*All Listed EN61000 meet performance criteria A, except for EN61000-4-11 Interruption, which meets performance criteria B.

Your Partners in Power.....

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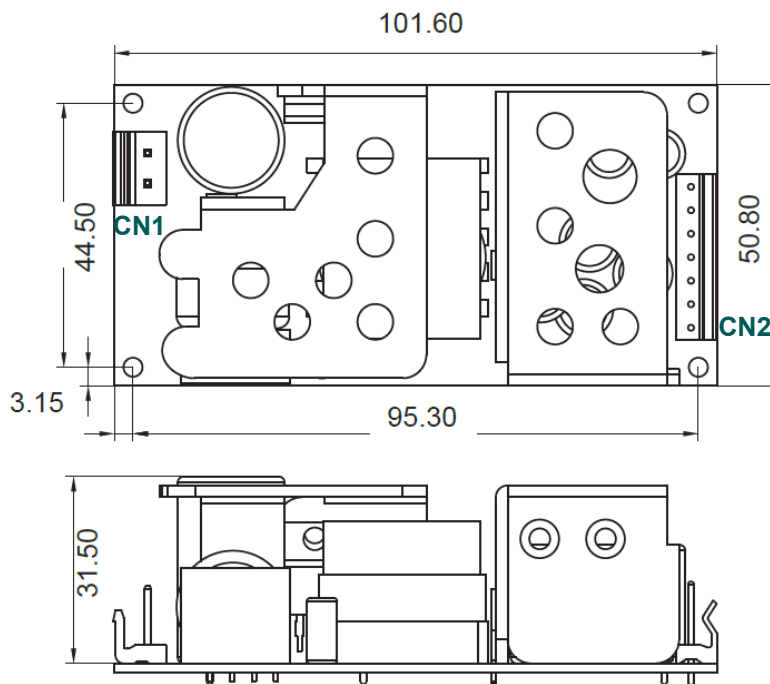
### Models and Ratings

Model Number	Output Voltage	Max Output Power	Load Regulation <sup>1</sup>	Max Ripple & Noise (P-P) <sup>2</sup>
PEA65-12	12VDC	65W	±3%	240mV
PEA65-13	15VDC	65W	±3%	300mV
PEA65-13-2	19VDC	65W	±3%	380mV
PEA65-14	24VDC	65W	±3%	480mV
PEA65-17	36VDC	65W	±3%	720mV
PEA65-18	48VDC	65W	±3%	960mV

Note:

1. At 25°C including initial tolerance, line voltage, load currents and output voltages adjusted to factory settings.
2. Measured with full rated load at 20MHz bandwidth with a 47uF electrolytic capacitor and 0.1uF ceramic capacitor in parallel with the DC output.

### Mechanical Outline



#### Pin Out

##### CN1

Pin #	Polarity
1	Line
2	Neutral

##### CN2

Pin #	Polarity
1	RTN
2	RTN
3	RTN
4	V+
5	V+
6	V+
7	NC