

1500 Watt EVD DC-DC Converter Data Sheet

Description:

Green Watt Power/Powerland's 1.5kW DC/DC modules utilize its PPUTM (Power Processing Unit) smart redundancy structure. Customers can use the 1.5kW PPU modules in parallel to realize higher power output with an ultra small size. Designed for DC/DC applications in electrical vehicles, this series of PPUs feature reliable, high-power density and efficiency with superior thermal performance.

Features:

- Output Voltages from 12V to 48V
- 1500W Max Output Power
- Current Share
- Operation to 100°C Baseplate
- Wide Adjustable Output Range
- Parallel Connection
- High Efficiency - up to 93%



General Specifications

Model	EVD-337-1500-12 (PLD1500-375DCM-12)	EVD-337-1500-24 (PLD1500-375DCM-24)	EVD-337-1500-28 (PLD1500-375DCM-28)	EVD-337-1500-36 (PLD1500-375DCM-36)	EVD-337-1500-48 (PLD1500-375DCM-48)
Input Voltage	200~425V	200~425V			
Output Voltage	12V	24V	28V	36V	48V
Max. Output Current	125A	62.5A	53.6A	41.7A	31.25A
Voltage Accuracy	±1% Vout				
Efficiency	92%	92%	93%	93%	93%
Output Voltage Adj.	1.2~13.2V	2.4~30.8V	2.8~39.6V	3.6~52.8V	4.8~52.8V
Max Line Regulation	±0.5%				
Max Load Regulation	±0.5%				
Baseplate Temp.	-40°C to +100°C Baseplate				
Output Power	1500W				
Overcurrent Protection	105~140%				
Overvoltage Protection	125~145%				
Signals & Control	Remote Sense, Remote On/Off, Parallel Pin, Secondary Control				
Humidity	Noncondensing:5 - 95% RH Operating, 5 - 95% RH Non Operating				
Isolation	Input to Baseplate: 1500VAC (1mA) for 1 min Input to Output 3000VAC (3mA) for 1 min Output to Baseplate: 500VAC(1mA) for 1 min				
EMI	EN60950-1				
Cooling	Conduction				
Dimensions (LxWxH)	134.5x 93.5 x 13.5mm				
Weight	0.45kg				

*Factory Model Numbers are in parenthesis