

1200~1400 Watt EVD DC-DC Converter Series

Description:

Green Watt Power's 1.2~1.4kW DC/DC modules are based on the PPU™ (Power Processing Unit) smart redundancy structure to realize higher power output within a ultra-small size. Designed for DC/DC applications in electrical vehicles, this series of PPU features high reliability, high-power density, high-efficiency and high thermal performance.

Features:

- PPU™ Smart Redundancy Structure
- Patented Variable Switching Frequency Control
- Support Paralleled Operation
- Output Voltage Adjustable
- Remote On/Off Control
- Input Over Voltage and Under Voltage Protection
- Built-in Output Over Voltage Protection
- Ultra Thin Design: 15mm Thickness



General Specifications:

Model	EVD-300-1200-12 (PLD1200-EVGS03-12)*	EVD-300-1400-28 (PLD1400-EVGS03-28)*
Input Voltage	200~425V	200~425V
Rated Output Voltage	12V	28V
Output Current	100A	50A
Voltage Accuracy	±1% Vout	±1% Vout
Line Regulation	±0.2% Vout @ Over Input Voltage Range	±0.2% Vout @ Over Input Voltage Range
Load Regulation	±0.2% Vout @ No-Load to Full Load	±0.2% Vout @ No-Load to Full Load
Temperature Coefficient	0.02% Vout/oC @ Baseplate -55~100oC	0.02% Vout/oC @ Baseplate -55~100oC
Over Voltage Power Off	115% Vout	115% Vout
Efficiency	92%	92%
Output Voltage Adjustable Range	75~110% Vout	75~110% Vout
Isolation	3,000 Vrms, Input to Output	3,000 Vrms, Input to Output
Dimensions (LxWxH)	135x102x15mm	135x102x15mm

*Factory Model Number