

1200~1400 Watt EVD DC-DC Converter Series

Description:

Green Watt Power's 1.2~1.4kW DC/DC modules are based on the PPUTM (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:

- PPUTM 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 | PLD1400-EVGS03-28 | 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 |