

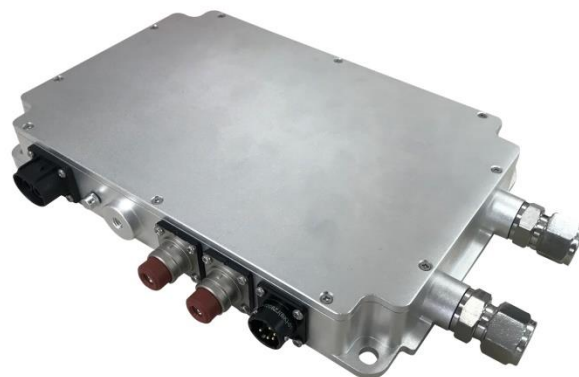
3500 Watt EVD DC-DC Converter Series

Description:

Green Watt Power's 3.5kW DC/DC power supply is based on the PPU™ (Power Processing Unit) smart redundancy structure. The system utilizes 3.5kW PPU modules in parallel to realize higher power output within an ultra-small size. The PPUs communicate with others with CAN bus and the operation parameters are programmable. The operating status is monitored and reported through CAN bus as well. Designed for DC/DC applications in electrical vehicles, this series of PPU features high reliability, high-power density, high efficiency and high thermal performance. An aluminum case is designed with an interface for liquid cooling.

Features:

- PPU™ Smart Redundancy Structure
- Ultra Small Size (35mm Thickness and 1.5L Volume)
- Ultra High Efficiency and High Power Density
- CAN Communication
- Programmable Operation Modes
- All Around Protection
- Automobile Standard Components
- IP67 Ingress Grade



General Specifications:

Model	PLD3500-EVDTM02-14
Output Voltage	10.5-16.5V
Output Current	250A
Nominal Output Voltage	14V
Output Current Accuracy	±2%
Output Voltage Accuracy	±1%
Output Power	3500W
Input Voltage	200~460Vdc
Max. Input Current	20A
Max. Input Power	3800W
Efficiency	94%
Communication	CAN
Protection	OVP, OCP, OTP
Ingress Protection	IP67
Working Temperature	-40~85oC (Coolant & Ambient)
Cooling	Liquid Cooling
EMI	CISPR25-Class 3
Isolation Input-Output	2000Vdc /60sec
Input-Case	2000Vdc /60sec
Dimensions (LxWxH) 2	60x170x35mm
Weight	3kg