

3000W Bi-directional DC/DC Converter Data Sheet



Description:

Green Watt/Powerland's 3kW bi-directional DC/DC power supply is designed with extended protection functions, the next-generation semiconductor power devices, and the extraordinary thermal management. The bi-directional energy flow with CAN communication interface makes the converter feasible for a wide variety of electric vehicles.

Features:

- DC/DC Bidirectional Energy Flow
- High Efficiency
- Built-in All-Around Protections
- EMC Comply with UN ECE R10, UL 2202
- Liquid Cooling
- Design for High Temperature and Humidity
- IP67 Ingress Grade
- CAN Communication



Specifications	
Model	EVDB-380-3000-12 (PLD3000-BDGA400-12)
Low Voltage DC to High Voltage DC	
Input Voltage	10.5~14.5V
Max. Input Current	250A
Output Voltage	270~420V (380V Typical)
Output Current	11A
Output Power	3000W
Efficiency	93%
High Voltage DC to Low Voltage DC	
Input Voltage	270~420V (380V Typical)
Max. Input Current	6.2A
Output Voltage	10.5~14.5V
Output Current	143A
Output Power	1500W
Efficiency	93%
Common Specifications	
Communication	CAN
Ingress Protection	IP67
Working Temperature	-40~105°C
Cooling	Liquid Cooling
EMI	Comply with UN ECE R10, UL 2202

Isolation	Comply with J2344
Dimensions (LxWxH)	264x190x46mm
Weight	2.5 kg

Notes: Specification is subject to change without notice. Model in parenthesis is factory number.