

Descriptions

Powerland's 6.6kW DC/DC modules is based on the PPU™ (Power Processing Unit) smart redundancy structure. The 66kW system utilizes 6.6kW PPU modules in parallel to realize higher power output within a ultra small size.

Dedicatedly designed for DC/DC applications in electrical vehicles and fuel cell, this series of PPU features with high reliability, high power density, high efficiency and high thermal performance.



Features

- PPU™ Smart Redundancy Structure
- Ultra High Efficiency and Power Density
- Wide-Range Input Voltage
- CAN Communication
- Wide-Range Output Voltage Adjustable
- Support Paralleled Operation
- Built-In Input Over Voltage and Under Voltage Protection
- Built-In Output Over Voltage Protection and Over Current Protection
- Automobile Standard Components



Models

Model Number	Input Voltage	Output Power	Output Voltage	Output Current
PLD6600-18FC01-450 (PPU)	50~300V	6.6kW	300~450V	0~22A
PLD66K-18FC01-450 (Module)	50~300V	66kW	300~450V	0~220A

Electrical Specifications

Model	PLD6600-18FC01-450	PLD66K-18FC01-450
Output Voltage	300~450V	
Output Current	0~22A	0~220A
Current Accuracy	±5%	
Voltage Accuracy	±5%	
Output Power	6600W	66kW
Input Voltage	50~300V	
Max. Input Current	33A	330A
Max. Input Power	7000W	70kW
Efficiency	97%	
Communication	CAN	
Protections	OVP, OTP, OCP, Open Circuit Protection	
Working Temperature	-40~60°C	
Cooling	Liquid Cooling	
Dimensions (LxWxH)	114.6x83.5x18mm	163.5x100.5x284mm
Weight	0.55kg	10kg

* Unless otherwise noted, the data are based on 25°C ambient temperature, 250V input voltage, and full load.