

# PDS1-100M-H DC converter



## Features

### Flexible Configuration

- Operating in the cabinet or independently.
- Wide DC range: 500Vdc-1500Vdc
- Automatically Bidirectional

### High Efficiency & Stability

- Peak efficiency > 99%
- Module can be used in outdoor with IP54 protection

### Intelligent Collaboration

- Built-in MPPT
- Compatible with various types of battery system.

### Safety & Compatibility

- Support different applications on DC-coupled systems.
- Rack-mounted installation

# Product parameters

Type	PDS1-100M-H
DC parameters	
Rated power	100kW
Maximum power	110kW
DC voltage range	500~1500V
DC maximum current	110A
BUS voltage range	500~1500V
BUS maximum current	110A
System parameters	
Maximum conversion efficiency	98.6%
Dimensions (W×H×D)	440×585×218 mm
Weight	51kg
Noise	< 70dB
IP protection level	IP20/IP54
Allowable ambient temperature	-40~55°C (derating when higher than 45°C)
Cooling method	Air cooling
Allowable relative humidity	0~95% (no condensation)
Allowable altitude	3000m (derating when higher than 3000m)
Communication parameters	
Communication port	RS 485, Ethernet, CAN
Communication protocol	Modbus TCP/RTU
BMS access	Available