

# PBD1500

1500V level DC to DC solar charge controller, used together with ATESS PCS and Bypass for large scale solar projects.

## Features



Multiple units parallelable



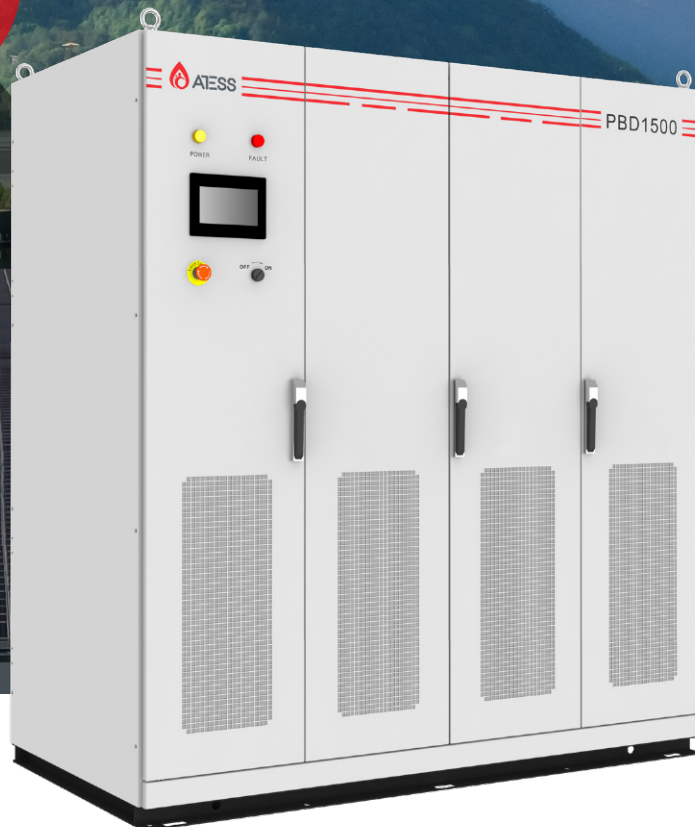
Modular design



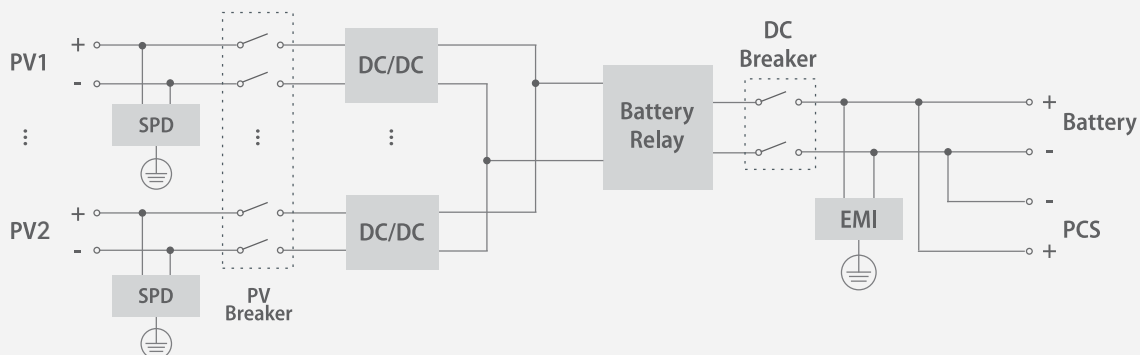
Up to 2 MPPTs



Transformerless design



## Block Diagram



## PBD1500

### Input (PV)

Max. PV power	1650kW
Full load MPPT voltage range	900V-1500V
Max. input current	889A*2
Number of MPPT	2

### Output (Battery and PCS)

Output voltage	900V-1400V
Max. charge power	1600kW
Max. charge efficiency	97%

### Protection

Input & output OV/UV protection	Yes
Input & output OC protection	Yes
Short circuit protection	Yes
Over temperature protection	Yes
Lightning protection	Yes
DC breaker	Yes
Emergency stop	Yes

### General Information

Protection degree	IP20
Noise emission	<65dB(A)@1m
Operating temperature	-25 °C~+55 °C
Cooling method	Forced-air
Relative humidity	0-95% non-condensing
Max. altitude	6000m (derate over 3000m)
Dimension (W/H/D)	1705/1850/900mm
Weight	1378kg
Topology	Transformerless
Standby power	<100W

### Communication

Display	Touch screen LCD
Communication	RS485/CAN