

ATESS PBD350



LEADING - EDGE TECHNOLOGY

Overview

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

Features



Multiple units paralleled



Up to 2 MPPT

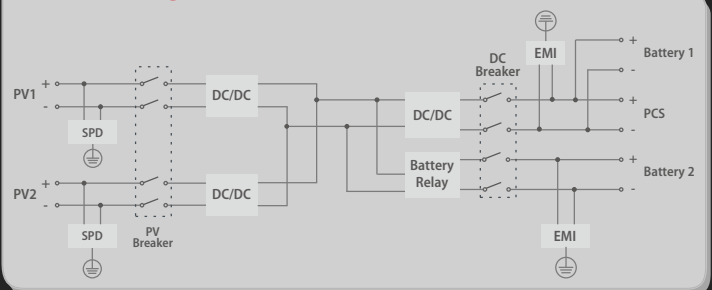


Modular design



Transformerless design

Block Diagram



Shenzhen Ateess Power Technology Co.,Ltd

1st Floor of Building 3 at Sector B and 3rd Floor of Building 9,Henglong Industrial Park, No.4 Industrial Zone, Shuitian Community, Shiyan Street, Baoan District, Shenzhen

Datasheet

ATESS PBD350

Input (PV)

Recommended PV power	350kW
MPPT voltage range	800V-1100V
Max. input current	480A(240A*2)
Number of MPPT	2

Output (Battery and PCS)

Battery voltage	500-900V
Output voltage (to PCS)	450-900V
Max. charge power	350kW
Max. charge current	700A
Max. charge efficiency	98%
Max. discharge efficiency	98%

Protection

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

General Information

Protection degree	IP20
Noise emission	<65dB(A)@1m
Operating temperature	-25°C~+55°C
Cooling	Forced-air
Relative humidity	0-95% non-condensing
Maximum altitude	6000m (derate above 3000m)
Dimension (W/H/D)	1200/1905/850mm
Weight	650kg
Topology	Transformerless
Standby power	<100W

Communication

Display	Touch screen
Communication	RS485/ CAN