

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

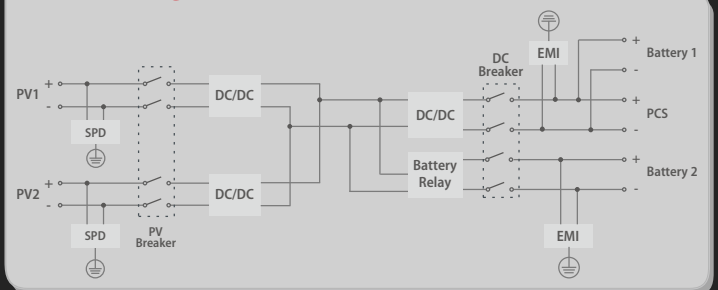


Modular design



Transformerless design

Block Diagram



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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