PBD250



Input (PV)	
Max. PV power	250kW
MPPT voltage range	350V-850V
Full load MPPT voltage range	480V-850V
Max. input current	575A(115A*5)
Number of MPPT	5
Output (Battery and PCS)	
Output voltage	600V-900V
Max. charge power	250kW
Max. charge current	416A
Max. charge efficiency	99%
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)	850/1900/700mm
Weight	343kg
Topology	Transformerless
Standby power	<100W
Communication	
Display	Touch screen
Communication	RS485/CAN

- 1000V level DC to DC solar charge controller, used together with ATESS PCS and Bypass for large scale solar projects
- Multiple units parallelable
- Modular design
- Up to 5 MPPTs
- Transformerless design