

SMC200

Smart MPPT controller, used together with ATESS PCS and Bypass for large scale solar projects.

Features



Modular design



Up to 8 MPPTs



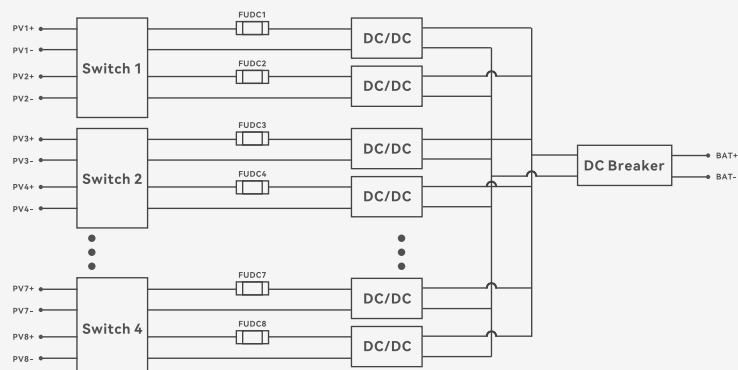
Transformerless design



Multiple units parallelable



Block Diagram



Note: The final configuration depends on the actual PV module parameters or project plan.

SMC200

Input(PV)

Max. PV power	200kW
Rated PV power	180kW
Max. PV Voltage	1500V
MPPT voltage range	900V-1300V
Max. input current	160A(20A*8)
Number of MPPT	8

Output (Battery and PCS)

Output voltage	600V-900V(700V-900Vfull load)
Max. charge power	150kW
Max. charge current	280A
Max. charge efficiency	99%
Battery type	Lead-acid or lithium-ion

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	IP65
Noise emission	<65dB(A)@1m
Operating temperature	-25 °C~+55 °C
Cooling method	Intelligent fan cooling
Relative humidity	0-95% non-condensing
Max. altitude	6000m (derate over 3000m)
Dimension (W/H/D)	780/770/210 mm
Weight	65kg
Topology	Transformerless
Standby power	<100W

Communication

Communication	RS485/CAN
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