

SMC200

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

Features



Modular design



Up to 8 MPPTs



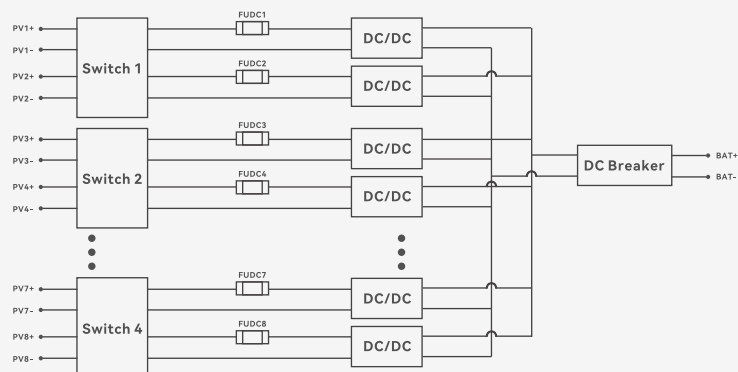
Transformerless design



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	150kW
Max. PV Voltage	1500V
MPPT voltage range	900V-1300V
Max. input current	160A(20A*8)
Number of MPPT	8

Output (Battery and PCS)

Ouput voltage	600V-900V(700V-900V full 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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