

# SMC200HV

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

## Features



Modular design



Up to 4 MPPTs



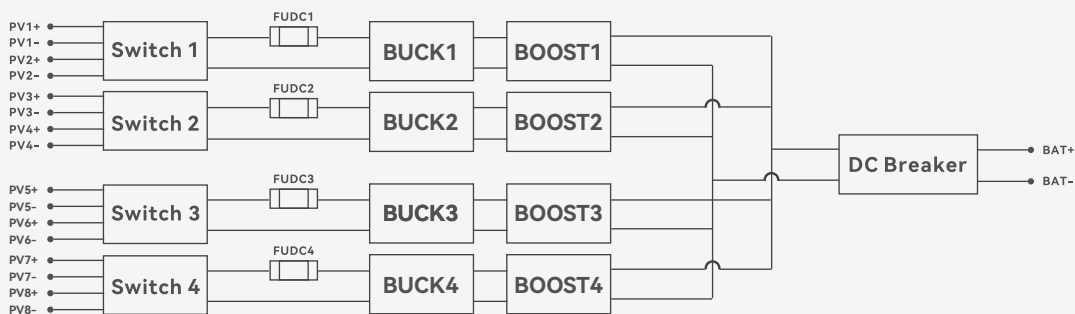
Transformerless design



Multiple units parallelable



## Block Diagram



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

## SMC200HV

### Input(PV)

Max. PV power	200kW
Max. PV Voltage	1500V
MPPT voltage range	900V-1500V
Max. input current	160A(20A*8)
Number of MPPT	4

### Output (Battery and PCS)

Ouput voltage	900V-1500V(1250V-1500V full load)
Max. charge power	200kW
Max. charge current	160A
Max. charge efficiency	98%
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)	890/660/210 mm
Weight	68kg
Topology	Transformerless
Standby power	<100W

### Communication

Communication	RS485/CAN
---------------	-----------