

P O W E R  
- I N G ●  
T O M O -  
R R O W ●



Smart  
Photovoltaic  
Inverter  
Series



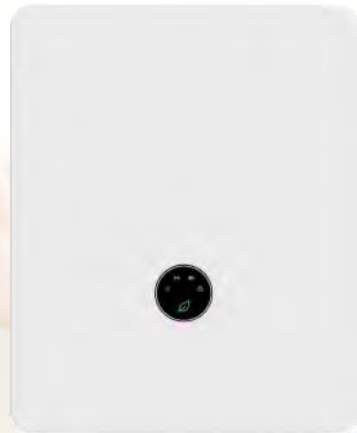
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# SY 200A



- Easy to operate, Integrated 200A circuit breaker on the grid side, No need for external circuit breakers.
- IP65 protection level.
- Support up to three inverters access.
- Integrated split-phase transformer inside the system, supporting 120V/240V split-phase output.
- Internal integrated generator access function, with remote wake-up, intelligent switching function.



Model	SY 200A
<b>INPUT FROM GRID</b>	
Max. AC Input Overcurrent Protection	200A
Max. Continuous Input Current	160A
AC Output Voltage(Nominal)	240V
AC Output Voltage Range	180-270V
AC Frequency(Nominal)	60Hz
AC Frequency Range	45-65Hz
Grid Disconnection Switchover Time	<500ms
<b>AC TO MAIN DISTRIBUTION PANEL</b>	
Max. AC current output	200A
AC L-L output voltage (nominal)	240V
AC L-L output voltage range	180-270V
AC Frequency (nominal)	60Hz
AC Frequency range	45-65Hz
Max. Inverters AC current output in backup operation	48A
Imbalance compensation in backup operation	3000W
AC L-N output voltage in Backup (nominal)	120V
AC L-N output voltage range in backup	105-132V
AC frequency range in backup	55-65Hz
<b>INPUT FROM INVERTER</b>	
Number of Inverter Inputs	3
Rated AC Power	11400W
Max. Continuous Input Current@240V	48A*3
Rated AC Power in Continuous Backup Operation	11400W*3
Inverter Input AC Circuit Breaker	63A
<b>GENERATOR(optional)</b>	
Max. Rated AC Power	20000W
Max. Continuous Input Current	100A
Dry contact switch voltage rating	250Vac
Dry contact switch current rating	5A
2-wire Start	Yes
<b>EV Charger(optional)</b>	
Max. Output current	32A
RDC protection	Yes
<b>ADDITIONAL FEATURES</b>	
Communication	RS485
Manual Control Bypass Switch	Yes
Energy Meter(for Import/Export)	1% accuracy
Cooling	Natural convection
Noise	<35dB
Operating Temperature Range	-40 to +50°C
Protection Rating	IP65/NAME Type 4X
Operating Humidity(RH)	Up to 100%
Maximum Elevation	3000m
Mounting options	Wall mount
Weight	26.7kg
Dimensions(H/W/D)	550/445/160mm
Safety	UL1741, CSA 22.2 NO. 107, UL869A
Emissions	FCC part15 class B