

SUNON10

Single/Split-Phase
All-In-One Off-Grid Inverter
UL1741



Powerful Hybrid Charging

Supports charging up to 200A, combining solar and grid hybrid charging



Intelligent Time-Sharing

Allows for timed charging and discharging, maximizing energy efficiency



Stackable Design

Stack up to 6 units for a total output of 60kW



200A Circuit Protection

Protects from overloads and short circuits



120V/240V Output

Provides 120V and 240V to meet you need.



Dual MPPT Technology

Dual MPPT design ensures optimal solar energy utilization, 99% MPPT efficiency



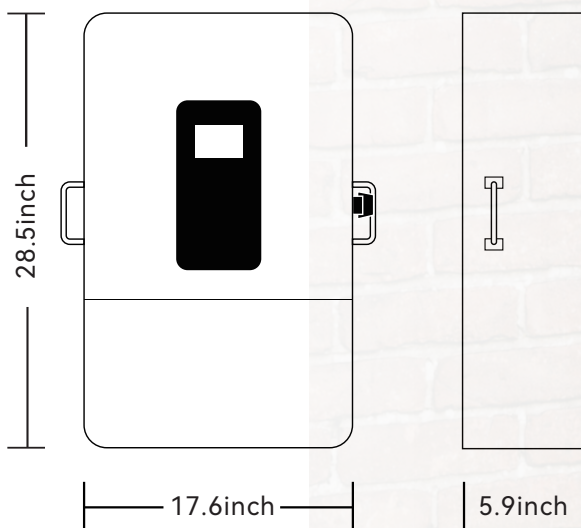
Rapid Shutdown

Quickly de-energizes solar PV systems to protect first responders



WiFi & App Integration

Connects via WiFi to an app for easy access and monitoring of information.



Advanced solar energy storage solution compatible with 48V batteries, featuring a charging capacity of up to 200A. The innovative SUB working mode allows for hybrid charging from both the grid and solar sources, while the time-sharing charge and discharge function optimizes energy usage. Supporting parallel connections of up to six units for a total capacity of 60kW, this inverter is ideal for both residential and commercial applications. Efficiently harness and manage solar energy for maximum savings and performance with the SUNON10.

MODEL	SUNON10
INVERTER OUTPUT	
Rated Output Power	10,000W
Max. Output Power	20,000VA
Rated Output Voltage	120/240 Vac (single-phase/split-phase)
Load capacity of Motors	6 HP
Rated Frequency	50/60Hz
Output Wave	Pure sine wave
Switching Time	10ms(typical value)
BATTERY	
Battery Type	Lithium-ion battery/lead-acid battery/user-defined battery
Rated Battery Voltage	48V
Volatge Range	40~60Vdc
Max. Solar Charging Current	200A
Max. Grid/Generator Charging Current	120A
Max. Mix Charge Current	200A
SOLAR INPUT	
No. Of MPPT	2
Max. Input Power	11,000W
Max. Input Current	22/22A
Max. Open Circuit Voltage	550Vdc
MPPT Voltage Range	125~425Vdc
GRID/GENERATOR INPUT	
Input Voltage Range	90~140Vac
Input Frequency Range	50/60Hz
Bypass Overload Current	63A
EFFICIENCY	
MPPT Tracking Efficiency	99.9%
Max. Efficiency	92%
GENERAL DATA	
Parallel Capacity	1~6 Units(More than 2 units in parallel can form a three-phase output)
Dimension	28.5*17.6*5.9inch(723*448*150mm)
Weight	61.7lb(28kg)
Noise	<60dB
Cooling Method	Intelligent fan
Protection Degree	IP20 Indoor Only
Temperature	-10~55°C, >45°C Derate
Warranty	3 years
Communication	RS485/CAN/USB/Dry Contact
External Module (Optional)	Wi-Fi/GPRS
Integrated Circuit Breaker	Utility/Load/Battery/PV
Certificate	RoHs/EN61000-6-1/EC61000-6-3/FCC Part15 ClassB/IEC62109-1/IEC62109-2/UL1741
OVERLOAD PROTECTION	
<p>After overload protection is enabled, the inverter output will be restored after 3 min, and after 5 times of overload, the output will be off until the inverter is restarted. (102%< load <110%): An error will be reported, and the output will be turned off after 5 min. (110%< load <125%): An error will be reported, and the output will be turned off after 10s. Load >125%: An error will be reported, and the output will be turned off after 5s.</p>	