

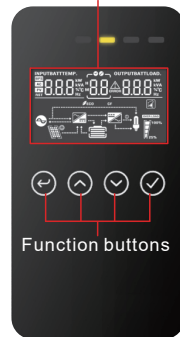


Features

- ▶ Pure sine wave solar inverter(on/off grid)
- ▶ Output power factor 1.0
- ▶ WiFi for iOS and Android
- ▶ Inverter can run without battery
- ▶ Built-in lithium battery automatic activation
- ▶ Dual communication ports for battery communication and WiFi communication
- ▶ Built-in 80A MPPT solar charger
- ▶ High PV input voltage range (120-500Vdc)
- ▶ Built-in anti-dust kit for harsh environment
- ▶ Smart battery charge design to optimize battery life
- ▶ Dual output

Back panel printing description

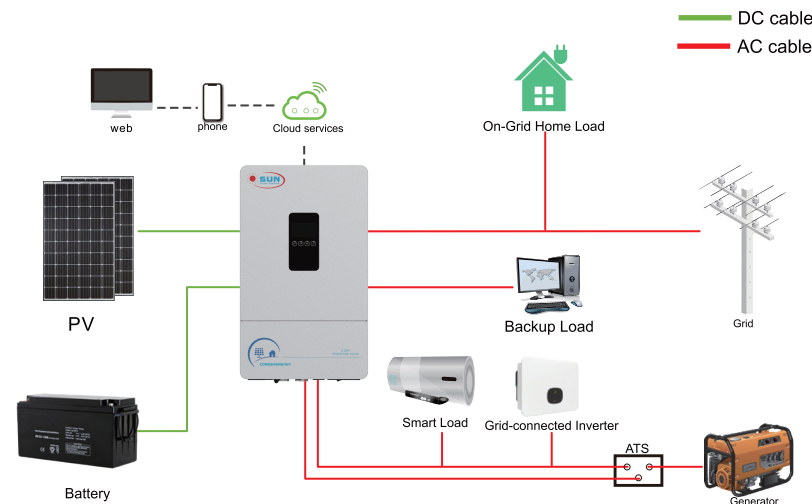
LCD display



Function buttons



Solar system connection



Model	S-2851, Paralled 9 PCS Max.
AC Input	
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE
Voltage Range (VAC)	90~280±3 (normal mode); 170~280±3 (UPS mode)
Frequency (Hz)	50 / 60 (Auto Adaptive)
AC Output	
Rated Capacity	5000VA / 5000kW
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	10
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	60s@102%~110% load; 10s@110%~130% load; 3s@130%~150% load; 0.2s@>150% load
Max. Efficiency (Battery Mode)	93%@48VDC
Parallel Quantity	9
Output No.	Dual Output
Charger (PV / AC)	
Solar Charger Type	MPPT
Max PV input Current / Input Power	18A / 6000W
MPPT Range@Operating Voltage (VDC)	120~450
Max PV Open Circuit Voltage (VDC)	500
Max PV Charge Current (A)	80
Max AC Charge Current (A)	80
Max. Charge Current (A)	80
Battery	
Rated Voltage (VDC)	48
Floating Charge Voltage (VDC)	54
Overcharge Protection (VDC)	61
Battery Type	Lithium and Lead-acid
Interface	
HMI	LCD
Interface	RS485 / RS232 / USB / Dry Contact
Monitoring	WiFi (Optional)
General Data	
Ingress Protection	IP21
Operating Temperature	-10°C~ 50°C
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15°C~ 60°C
Max. Operating Altitude	4000m (Derating above 1000m)
Standard	
Compliance Safety	CE