

# ALL-IN-ONE OFF-GRID INVERTER

## High Lights

- IP65 protection
- Activation by either PV or Grid
- Working with loads without battery
- UPS level backup



## Features

### Efficient

- Advanced MPPT technology with up to 99.9% efficiency
- Up to 22A PV input current perfect for high power

### Reliable

- Output of High quality pure sine wave AC power
- 8-10kw load power to meet most of needs

### User-friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

### Safety

- 360 degrees of security from hardware to software
- Australian and EU safety approvals

### All-in-one

- Solar charger controller up to 100A charging current
- Support for Li-ion batteries and lead-acid batteries

### Intelligent

- Exclusive Li-ion battery BMS dual activation by PV or Grid
- Time-slot function to save cost with peak-valley tariff

Model	4855S100-H	CAN BY SET
<b>Inverter Output</b>		
Rated output power	5500W	
Max. peak power	11000W	
Rated output voltage	230Vac (single-phase L+N+PE)	Y
Load capacity of motors	4HP	
Rated AC frequency	50/60Hz	Y
Wave form	Pure sine wave	
Switch time	10ms (typical)	
Parallel capacity	/	
<b>Battery</b>		
Battery type	Lead-acid / Li-ion / User defined	Y
Rated battery voltage	48V	
Voltage range	40~60Vdc	Y
Max. MPPT charging current	100A	Y
Max. mains/generator charging current	60A	Y
Max. hybrid charging current (PV+Grid)	100A	Y
<b>PV Input</b>		
No. of MPPT trackers	1	
Max. PV array power	6000W	
Max. input current	22A	
Max. voltage of open-circuit	500Vdc	
MPPT voltage range	120~450Vdc	
<b>Mains/Generator Input</b>		
Input voltage range	UPS mode: 170~280Vac; APL mode: 90~280Vac	Y
Frequency range	50/60Hz	
Bypass overload current	40A	
<b>Efficiency</b>		
MPPT tracking efficiency	99.90%	
Max. battery inverter efficiency	> 90%	
<b>General</b>		
Dimensions	556*345*182mm	
Weight	20kg	
Protection degree	IP65	
Operating temperature range	-25~55°C , > 45°C derated	
Humidity	0~100%	
Cooling method	Internal fan	
Warranty	5 years	
<b>Communication</b>		
Embedded interfaces	RS485 / CAN / USB / Dry contact	Y
External modules (Optional)	Wi-Fi / GPRS	Y
<b>Certification</b>		
Safety	IEC62109	
EMC	EN61000	