

Solar Energy Storage System



6.5KW High-power

Quality Assurance

Long Cycle Life

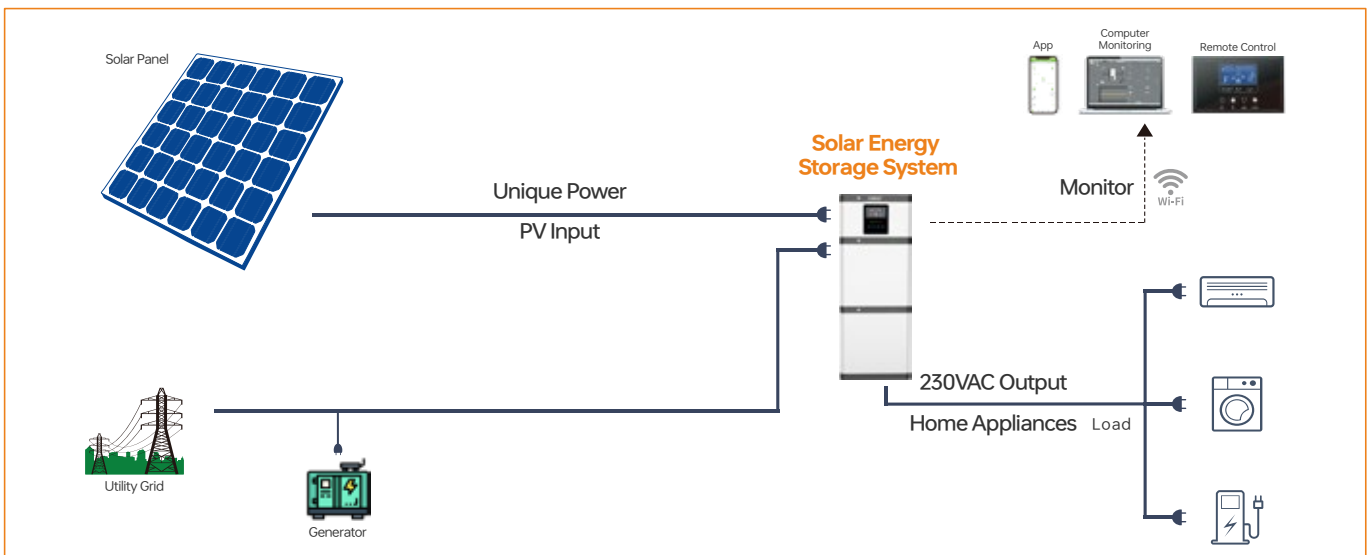


Features

- ✦ Pure sine wave solar inverter (OFF Grid)
- ✦ Output power factor 1.0
- ✦ Built-in Max.150A MPPT Solar charge, PV Power Max. 7200W
- ✦ RS485/CAN/WiFi (Optional) available for IOS and Android
- ✦ High PV Input Max. voltage range (55-450V DC)
- ✦ Smart battery charge design to optimize battery life
- ✦ One-key restoration to factory settings



Introduction



Model		DRAGON CA-6.5K10H
Battery Technical Parameters		
Battery Type	LiFePO4	
Nominal Battery Voltage	48V DC	
Nominal Capacity (kWh)	10.08KWH (5.04KWH X 2)	
Max. Parallel Batteries	6	
BMS	Built-in BMS	
Cycle Life	9600 Cycles 90% DOD	
PV Charge		
Maximum PV Input Power	7200W	
Maximum PV Charging Current	130A	
Maximum PV Input Current	20A	
Efficiency	98% Max.	
Max. PV Array Open Circuit Voltage	450V	
PV Array MPPT Voltage Range	55-450V	
Charging Algorithm	According to BMS	
AC Input		
Input Voltage Waveform	Sinusoidal (Utility or Generator)	
Nominal Input Voltage	230V AC	
Max AC Charging Current	110A	
Input Voltage Range	176V AC-265V AC (UPS) / 90V AC-265V AC (Appliances)	
Nominal Input Frequency	50Hz/60Hz (Auto Detection)	
Input Frequency Range	40Hz-65Hz	
Output		
Rated Output Power	6.5KVA/6.5KW	
Output Voltage Waveform	Pure Sine Wave	
Rated Output Voltage	230V AC ±5%	
Rated Output Frequency	50Hz / 60Hz	
Peak Efficiency	≥94%	
Grid-Tie Operation		
Rated Power	6.5KW	
Nominal Output Voltage	230V AC	
Output Voltage Range	176~264V AC	
Maximum AC Output Current	25A	
Feed In Grid Frequency Range	49~51±1Hz	
Max Efficiency	98%	
MPPT Efficiency	99.9%	
Protection Short Circuit Protection, Overload Protection, Lightning Protection, DC Switch		
General		
Communication Interface	RS485/WIFI (Optional)	
IP Grade	IP21	
Operating Temperature Range	0°C to 55°C	
Storage Temperature	-15°C to 60°C	
Dimension (D*W*H), mm	736*527*167mm	