Off-grid Inverter

FEATURES:

- Full digital voltage and current double closed loop control, advanced SPWM technology, output of pure sine wave.
- Available in 4 charging modes: Only Solar, Mains Priority, Solar Priority and Mains & Solar hybrid charging.
- Advanced MPPT technology with an efficiency of 99.9%.
- With the charging requirement (voltage, current, mode) settings, and suitable for various types of energystorage batteries.
- Intelligent variable speed fan to efficiently dissipate heat and extend system life. Supply of a variety of user-friendly communication modules,
- such as Rs485 (GPRS,WiFi), CAN, USB etc

TECHNICAL DATA

MODEL	INV W-2430	INV W-4850
AC MODE		
Rated input voltage	220/230Vac	
Input voltage range	170-280VAC/90-280VAC	
Frequency	50/60Hz (Auto detection)	
Frequency Range	50/60±3Hz	
Efficiency	>95%	
Transfer time	10ms (typical)	
INVERTER MODE		
Output voltage waveform	Pure sine wave	
Rated output power	3.5KVA/KW	5.5KVA/KW
Power factor	1	
Output voltage range	220/230Vac ± 5%	
Output frequency range	50 / 60 ± 0.3Hz	
Maximum Efficiency	>94%	
Peak power	7KVA	11KVA
Loaded motor capability	2HP	4HP
Overload protection	5S @150% load; 10S @110%~150% load	
Rated battery input voltage	24V	48V
AC CHARGING		
Battery type	Lead acid or lithium battery	
Maximum charge current	80A	
Floating charge voltage	27V	54V
Overcharege protection	33V	63V
PV CHARGING		
Maximum PV OCV	500Vdc	
Efficiency	98.0% max	
MPPT voltage range	120-450Vdc	
Battery voltage range	20~33V	40-63V
Maximum output power	5000W	6000W
PV charge current (settable)	110A	110A
GENERAL		
Operating temperature range	0oC to 55oC	
Storage temperature range	-15oC ~ 60oC	
Humidity range	5% to 95% (Conformal coating protection)	
Noise	≤60dB	
Heat dissipation	Forced air cooling, variable speed of fan	
Communication interface	USB/RS485(WiFi/GPRS)/Dry node control	
Certification	CE(EN 62109-1)	
EMC certification leve	EN 61000	
Size (L*W*D)	472*297*133mm	
Weight (kg)	9.5	10.5