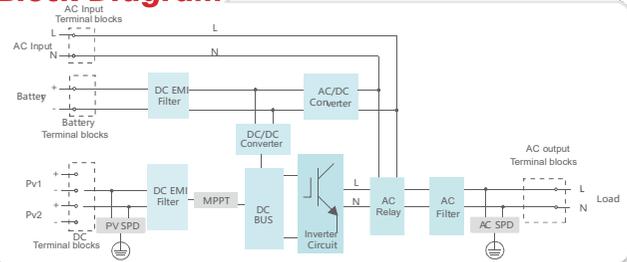**WAET**

SL1100M

Overview

8~11KW capacity all-in-one off-grid inverter for home,school or villa application

Features

- Built-in dustproof kit to adapt to harsh environment
- Movable screen
- Intelligent energy-saving mode
- Wide voltage range(450VDC)
- Support battery cold start
- Compatible with 485 communication
- Support MPPT two-way input
- Multiple units parallelable up to 6 uits

Block Diagram

Datasheet

	WAET SL1108M-H	WAET SL1111M-H
DC (Battery)		
Battery Voltage	48V DC	48V DC
Battery Type	Lithium/Lead-acid	Lithium/Lead-acid
AC (Grid-connected)		
Rated power	8kW	11kW
Rated voltage	230VAC	230VAC
Rated current	≈34.7A	≈47.8A
Voltage range	230V±5%	230V±5%
Rated frequency	50/60Hz(Auto sensing)	50/60Hz(Auto sensing)
Frequency range	45~55/55~65Hz	45~55/55~65Hz
THDI	<3%	<3%
PF	1	1
AC connection	L/N/PE	L/N/PE
AC input	>8kW	>11KW
AC Output		
Rated power	8kW	11kW
Rated voltage	230V	230V
Rated current	34.7A	47.8A
THDI	≤2%linear	≤2%linear
Rated frequency	50/60Hz	50/60Hz
Overload capability	105%-1min 110%-1s	105%-1min 110%-1s
Solar CHARGER		
Max. recommended PV power	8000W	11000W
MPP voltage range	90VDC~450VDC	90VDC~450VDC
No.of MPP trackers/PV strings per MPP tracker	1/2 18A*2	1/2 24.5A*2
Max. recommended PV Voltage	500V	500V
Maximum Solar Charge Current	120A	120A
AC CHARGER		
Charge Current	120A	120A
AC Input Voltage	230VAC	230VAC
Selectable Voltager Range	170~280VAC(For Personal Computer/90~280VAC(fOR home Appliances)	
Frequency Range	50Hz/60Hz(Auto sensing)	50Hz/60Hz(Auto sensing)
General Information		
Protection degree	Ip21	Ip21
Noise emission	<65dBA)@1m	<65dBA)@1m
Operating temperater	-25 °C~+55 °C	-25 °C~+55 °C
Cooling	Forced-air	Forced-air
Relative humidity	0-95% noncondensing	0-95% noncondensing
Maximum altitude	6000m (derate over 2000m)	6000m (derate over 2000m)
Dimension/MEAS (W/H/D)	590/420/144mm/700/560/260mm	590/420/144mm/700/560/260mm
Weight(N.W.)	12kg	13kg
Weight(G.W.)	14kg	15kg
Transfer between on/off grid	Automatic≤10ms	Automatic≤10ms
Standly consumption	<45W	<50W
Communication		
Display	3.5" LCD Screen	3.5" LCD Screen
Communication	RS485	RS485

Certificate CE:LVD,EMC RoHS EN 61000-6-4:2007+A1:2011 , EN61000-6-2:2005 , EN62109-1:2010 , EN62109-2:2011

* Battery voltage is determined by the following equation:
Vmin=352xVn/V1,Vmax=(Vmpp-100)*Vn/V2,Vmax < 600VCD
V1 is battery cell discharge cut-off voltage, V2 is battery cell boost charge voltage, Vn is battery cell nominal voltage.