



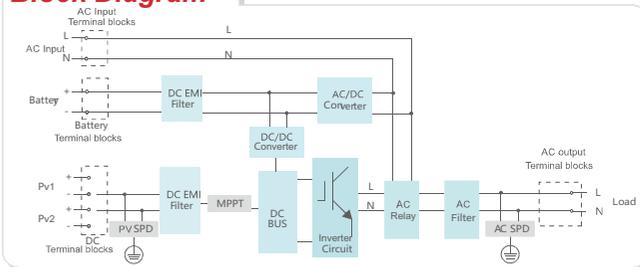
Overview

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(120~500VDC)
- Support battery cold start
- Compatible with 485 communication
- Support MPPT two-way input
- Multiple units parallelable up to 6 units

Block Diagram



	WAET SL1108M	WAET SL1110M	WAET SL1111M
DC (Battery)			
Battery Voltage	48V DC	48V DC	48V DC
Battery Type	Lithium/Lead-acid	Lithium/Lead-acid	Lithium/Lead-acid

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AC (Grid-connected)			
Rated power	8kW	10kW	11kW
Rated voltage	230VAC	230VAC	230VAC
Rated current	34.7A	43.4A	47.8A
Voltage range	230V±5%	230V±5%	230V±5%
Rated frequency	50/60Hz(Auto sensing)	50/60Hz(Auto sensing)	50/60Hz(Auto sensing)
Frequency range	45~55/55~65Hz	45~55/55~65Hz	45~55/55~65Hz
THDI	<3%	<3%	<3%
PF	1	1	1
AC connection	L/N/PE	L/N/PE	L/N/PE
AC input	>8kW	>10kW	>11kW

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AC Output			
Rated power	8kW	10kW	11kW
Rated voltage	230V	230V	230V
Rated current	34.7A	43.4A	47.8A
THDI	≤2%linear	≤2%linear	≤2%linear
Rated frequency	50/60Hz	50/60Hz	50/60Hz
Overload capability	105%-1min 110%-1s	105%-1min 110%-1s	105%-1min 110%-1s

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Solar CHARGER			
Max. recommended PV power	8000W	10000W	11000W
MPPT voltage range	90VDC~450VDC	90VDC~450VDC	90VDC~450VDC
No. of MPPT trackers /PV strings per MPPT tracker	1/2 18A*2	1/2 22.5A*2	1/2 24.5A*2
Max. recommended PV Voltage	500V	500V	500V
Maximum Solar Charge Current	120A	120A	120A

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AC CHARGER			
Charge Current	120A	120A	120A
AC Input Voltage	230VAC	230VAC	230VAC
Selectable Voltage Range	170~280VAC(For Personal Computer/90~280VAC(For home Appliances)		
Frequency Range	50Hz/60Hz(Autosensing)	50Hz/60Hz(Autosensing)	50Hz/60Hz(Autosensing)

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General Information			
Protection degree	Ip21	Ip21	Ip21
Noise emission	<65dB(A)@1m	<65dB(A)@1m	<65dB(A)@1m
Operating temperature	-25 °C~+55 °C	-25 °C~+55 °C	-25 °C~+55 °C
Cooling	Forced-air	Forced-air	Forced-air
Relative humidity	0-95% noncondensing	0-95% noncondensing	0-95% noncondensing
Maximum altitude	6000m(derateover2000m)	6000m(derateover2000m)	6000m(derateover2000m)
Dimension/MEAS (W/H/D)	590/420/144mm/700/560/720mm	/420/144mm/700/590 /260mm	/420/144mm/700/560/260mm
Weight(NW.)	22kg	22kg	22kg
Weight(GW.)	24kg	24kg	24kg
Transfer between on/off grid	Automatic ≤10ms	Automatic ≤10ms	Automatic ≤10ms
Standby consumption	<45W	<48W	<50W

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Communication			
Display	3.5" LCD Screen	3.5" LCD Screen	3.5" LCD Screen
Communication	RS485	RS485	RS485

Certificate: CE, LVD, EMC, RoHS EN 61000-6-4:2007+A1:2011, EN 61000-6-2:2005, EN 62109-1:2010, EN 62109-2:2011