

Future-H Series

All-In-One Energy Storage Solution

- Integrated inverter and lithium battery system
- Compact size and easy installation
- Flexible expansion capacity up to 18kW/33kWh
- Maximum PV input voltage up to 500VDC
- Excellent safety of LiFePO4 battery
- Grid and Generator dual AC input with integrated transfer switch



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GROWATT

www.ginverter.com

Inverter Model	SIM 6000 ES Plus-H		
Inverter output			
Rated power	6000VA/6000W		
Parallel capability	Yes, 3 units maximum (single or three phase)		
AC voltage regulation (battery mode)	230VAC ± 5% @ 50/60Hz		
Surge power	12000VA		
Efficiency (peak)	93%		
Waveform	Pure sine wave		
Transfer time	10ms typical, 20ms Max		
Solar charger			
Maximum PV array power	8000W		
MPPT range @ operating voltage	120VDC ~ 450VDC		
Number of independent MPP trackers/ strings per MPP tracker	2/1		
Max. input current per MPP tracker	16A		
Maximum PV array open circuit voltage	500VDC		
Maximum solar charge current	100A		
AC charger			
Charge current	80A		
AC input voltage	230VAC		
Selectable voltage range	170-280 VAC (For personal computers) ; 90-280 VAC (For home appliances)		
Frequency range	50Hz/60Hz (Auto sensing)		
Physical			
Number of Inverter modules	1	2	3
System capacity	6000VA/6000W	12000VA/12000W	18000VA/18000W
Protection degree	IP20		
Dimension (W/H/D)	630/150/440mm	630/300/440mm	630/450/440mm
Net weight	16kg	32kg	48kg
Operating environment			
Humidity	5% to 95% Relative humidity(Non-condensing)		
Altitude	<2000m		
Operating temperature	0°C - 55°C		
Storage temperature	-15°C - 60°C		
Battery Model	ABM 5.5L-A1-H		
Nominal Voltage	51.2V		
Rated Capacity	5.5kWh		
Usable Capacity	5.12kWh		
Operating Voltage	40 ~ 58.4V		
Max. Discharging Current	100A		
Peak Discharging Current	120A/3S		
Max Charging Current	100A		
General data			
Dimension (W/D/H)	630/440/150mm		
Weight	48Kg		
IP Protection	IP20		
Charge Temperature	0°C~+55°C		
Discharge Temperature	-20°C~+55°C		
Features			
DOD	93%		
Cycle life	>6000 (25°C, 0.2C,)		
Parallel Connection	Max.6 packs		
Communication Port	CAN/RS485		
Warranty	5 Years		
Inverter : CE, ROHS; Battery : CE(EMC), UN38.3, MSDS, ROHS			