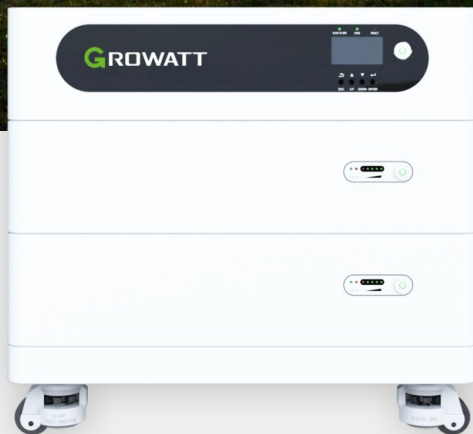


Future-H Series

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



P O W E R
- I N G
T O M O R R O W

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			
Warranty	2 Years			
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/H/D)	630/150/440mm			
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				