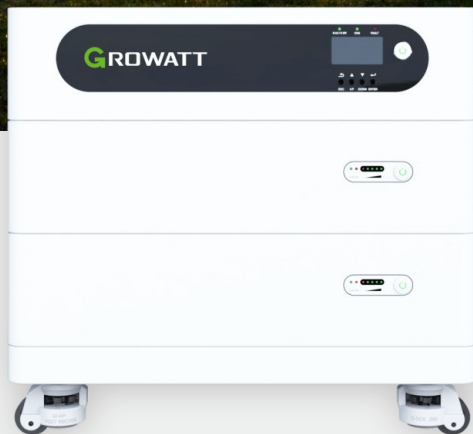


Future-H Series

All-In-One Energy Storage Solution

- Integrated inverter and lithium battery system
- Compact size and easy installation
- Flexible expansion capacity up to 18kW/30kWh
- 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) | 460/132/395mm | 460/264/395mm | 460/396/395mm |
| 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 5.0LS-B1-H | | |
| Nominal voltage | 51.2V | | |
| Rated capacity | 5.12kWh | | |
| Usable capacity | 5.0kWh | | |
| Operating voltage | 40 ~ 58.4V | | |
| Max. discharging current | 100A | | |
| Peak discharging current | 250A/150ms | | |
| 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 | >4000 (25°C, 1C,) | | |
| Parallel connection | Max.6 packs | | |
| Communication port | CAN/RS485 | | |
| Warranty | 5 Years | | |
| Inverter : CE, ROHS;Battery : CE(EMC), UN38.3, MSDS, ROHS | | | |