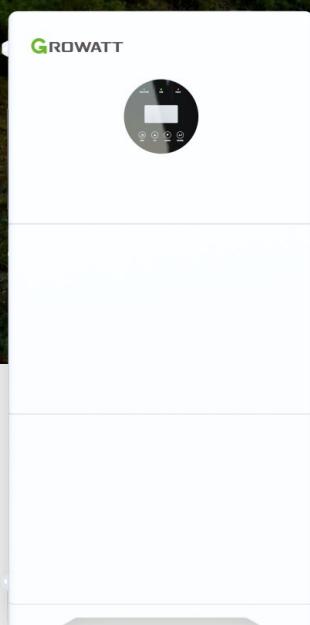


Future-V Series

All-In-One Energy Storage Solution

- Integrated inverter and lithium battery system
- Compact size and easy installation
- Flexible expansion capacity up to 36kW/245.76kWh
- 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 O

T O M O -

R R O W O

GROWATT

Inverter Model	SIM 6000 ES Plus-V
Inverter output	
Rated power	6000VA/6000W
Parallel capability	Yes, 6 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	
System capacity	6000VA/6000W
Dimension (W/H/D)	630/440/172mm
Net weight	13.5kg
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 5.0L-B1-V
Nominal voltage	51.2V
Rated capacity	5.12kWh
Usable capacity	5.0kWh
Operating voltage	40 ~ 58.4V
Max. discharging current	100A
Peak discharging current	110A/5S
Max charging current	100A
General data	
Dimension (W/H/D)	630/390/172mm
Weight	47Kg
IP protection	IP20
Charge temperature	0°C~+55°C
Discharge temperature	-20°C~+55°C
Features	
DOD	98%
Cycle life	>4500 (25°C, 1C,)
Parallel connection	Max.48 packs
Communication port	CAN/RS485
Warranty	5 Years

Inverter : CE, ROHS; Battery : CE(EMC), UN38.3, MSDS, ROHS