



Off-grid Solar Inverter

LightUp P6000



APPLICATIONS

- Mico-Grid for Household
- Prefabricated Houses
- Power Supply for Holiday Cottage on Sea Islands
- Power Backup for Users Facing Frequent Power Cuts

FEATURES

- Pure sinewave inverter
- Compatible with utility and generator
- Smart battery management
- Dual outputs with loads management
- Touchable button with colored LCD
- Multiple communication ports for BMS
- Integrated Wi-Fi monitoring with APP
- Parallel operation with multiple units

Product Specification of Off-grid Inverter

MODEL NAME		P6000 (PVI6001-2V00)
Nominal Output Power (W)		6000
AC OUTPUT		
AC Voltage Regulation (Vac)		230 ± 5% (Battery Mode)
Surge Power (VA)		5s @ 150% load
Transfer Time (ms)		< 20
Waveform		Pure Sine Wave
AC INPUT		
Nominal Voltage (Vac)		230
Voltage Range (Vac)		90 ~ 280
Frequency (Hz)		50 / 60 (Auto Sensing)
PV INPUT		
Charger Type		MPPT (1)
Maximum Power (W)		6000
Operating Voltage Range (Vdc)		120 ~ 500
Open Circuit Voltage (Vdc)		500 (max.)
Input Current (A)		27
Charge Current (A)		120 (max.)
BATTERY		
Nominal Voltage (Vdc)		48
Floating Charge Voltage (Vdc)		54
Over-charge Protection (Vdc)		66
INTERFACE		
Communication		USB / RS232 / RS485 / Wi-Fi
MECHANICAL		
Dimension (mm)		D 140 x W 295 x H 468
Net Weight (kgs)		12
ENVIRONMENTAL		
Humidity (%)		5 ~ 95 (Relative Humidity)
Operating Temperature (°C)		-10 ~ 50
Storage Temperature (°C)		-15 ~ 60
SAFETY		
Certifications		IEC 62109-1, IEC 62109-2, EN 55032

Product specifications are subject to change without further notice.



FEATURES

- Operated with LightUp P6000 off-grid inverter.
- Flexible configuration from 10kWh to 20kWh.

MODEL NAME	EnerXPack 5000		
Cell Material	LFP		
Applicable Inverter Power (kW)	6 ~ 12		
Number of Module	2	3	4
Output Energy (kWh)	10	15	20
Nominal Voltage (V)	51.2	51.2	51.2
Operating Voltage Range (V)	40 ~ 56	40 ~ 56	40 ~ 56
Nominal Discharge Current (A)	300	300	300
Maximum Discharge Current (A)	384 (@1 min)	384 (@1 min)	384 (@1 min)
MECHANICAL			
Dimension (mm)	D 185 x W 540 x H 1040	D 185 x W 540 x H 1460	D 185 x W 540 x H 1880
Net Weight (kgs)	102	150	198
INTERFACE			
Communication	RS485 port (RJ45) / CAN		
ENVIRONMENTAL			
Operating Temperature (°C)	0 ~ 50		
Storage Temperature (°C)	25 ~ 45 (under 3 Months) ; -20 ~ 25 (under 18 Months)		
IP Protection	IP 20		
SAFETY			
Cerifications	UN 38.3 / IEC 62619		

Off-grid Solar Inverter LightUp P6000 & EnerXPack 5000

System Configurations

