



Off-grid Solar Inverter

LightUp P5000



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
- Energy independency
- Auto restart while AC is recovering
- Removable LCD control module
- Multiple communication ports for BMS
- Integrated Bluetooth interface with APP

Product Specification of Off-grid Inverter

MODEL NAME	P5000 (PVI5001-2V00)
Nominal Output Power (W)	5000
AC OUTPUT	
AC Voltage Regulation (Vac)	230 ± 5% (Battery Mode)
Surge Power (VA)	10000
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)	5000
Operating Voltage Range (Vdc)	120 ~ 450
Open Circuit Voltage (Vdc)	500 (max.)
Charge Current (A)	100 (max.)
BATTERY	
Nominal Voltage (Vdc)	48
Floating Charge Voltage (Vdc)	54
Over-charge Protection (Vdc)	63
INTERFACE	
Communication	USB / RS232 / RS485 / Bluetooth
MECHANICAL	
Dimension (mm)	D 115 x W 300 x H 400
Net Weight (kgs)	10
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 P5000 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		

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LightUp P5000 & EnerXPack 5000

System Configurations

