

Sunbeat OG-3K Inverter

SunBeat OG 3K inverters enables the owner to save money, prepare for power outages and help protect the environment using solar energy

- 120V single or split phase, 50/60 Hz
- Peak efficiency of 98% transformerless design
- Solar off grid
- DC coupled architectures
- Intelligent features; enables load or battery prioritization
- Smart battery charging
- Full monitoring software for clients and partners
- One location for DC and AC electrical connections
- Easy to install, compact wall mounted design
- Pair up to four SunBeat Li-ion batteries
- UL certified



EASY-TO-INSTALL



IDEAL FOR APARTMENTS

PRODUCT APPLICATIONS

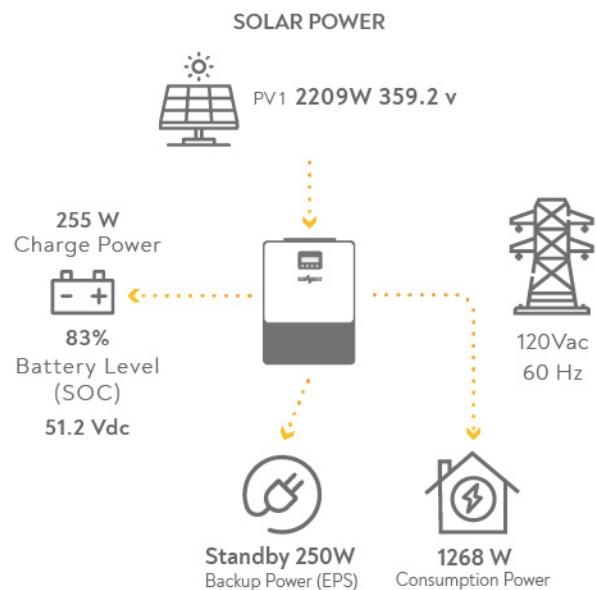


Off-grid solar



Backup power

SUNBEAT
ENERGY FOR BETTER LIVING



A multi functional inverter, solar charger and battery charger for simple and faster solar installations.

SB OG-3Kw

AC Input

AC Input Waveform	Sinusoidal (utility or generator)
Nominal AC Input Voltage	120Vac
Low Loss Voltage	90Vac ± 3V (UPS); 80Vac ± 3V (Appliances)
Low Loss Return Voltage	95Vac ± 3V (UPS); 85Vac ± 3V (Appliances)
High Loss Voltage	134Vac ± 3V
Max AC Input Voltage	150Vac
Nominal Input Frequency	60Hz / 50Hz (Auto Detection)
Output Short Circuit Protection	Circuit Breaker
Efficiency (Line Mode)	>95% (Rated R Load, Battery Full Charge)
Transfer Time	10ms Typical (UPS); 20ms Typical (Appliances)

Inverter Output

Rated Output Power	3KVA / 3KW
Working without Battery	Yes
Output Voltage	120 / 110 / 100Vac ± 5%
Output Frequency	60Hz / 50Hz ± 1Hz
Peak Efficiency	93.00%
Overload Protection	5s@ ≥ 150% Load; 10s@110%~150% Load
Nominal Battery Input Voltage	48Vdc
Cold Start Voltage	46.0Vdc
Low Voltage Cut-off	42Vdc
High Voltage Cut-off	63Vdc
No Load Power Consumption	<50W@48Vdc

Battery Charging

AC Charging Current (Max)	30Amp (@V _{LP} =120Vac)
PV Charging Current (Max)	40Amp
Total Charging Current (Max)	40Amp
Charging Algorithm	3 Step
Battery Types	Flooded Battery / AGM / Gel Battery / Lithium Battery

MPPT Input

Num. of Independent MPPT Tracker	1
Max. PV Array Power	4000W
PV Array MPPT Voltage Range	65-450Vdc
Max. PV Array Open Circuit Voltage	495Vdc
Max Input Current	15A

Communication

BMS Communication	RS485
WiFi / APP	Sunbeat Energy OG

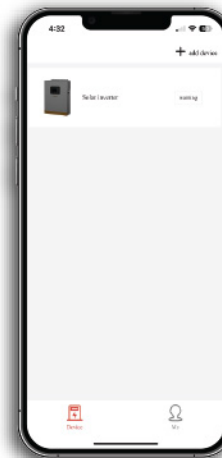
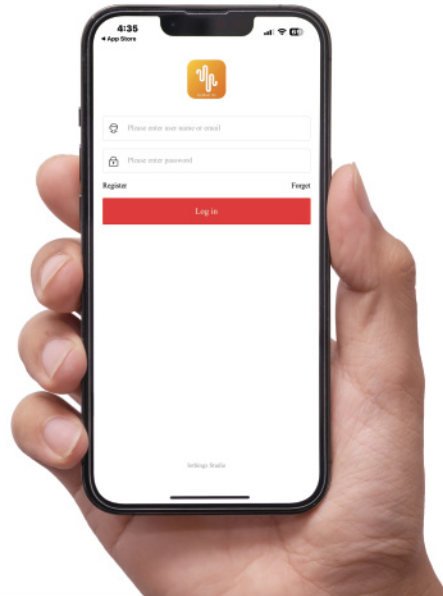
Other Information

Safety Certification	UL1741
Enclosure	IP21
Dimension (W*H*D), mm, in	*309 mm*415 mm*110 mm / 12.2 in*16.3 in*4.3 in
Net Weight, Kg	10
Standard Warranty	5

5 YEAR WARRANTY

SunBeat OG energy monitoring

Eliminate electricity bill surprises by Monitoring your electricity usage using real time energy information, detailed reports, and conveniently access your home energy information from your smartphone, tablet or computer.



Designed for reliability, safety and ease of information



The ideal sized for for apartments, small houses, and off-grid installations such as food trucks, remote and more.

Inverter, solar charger, and battery charger all in one compact, easy-to-install package.