



SHARED
AND BEYOND

UNKET NEW ENERGY TECHNOLOGY CO., LTD.

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About Sunket

Wuxi Sunket New Energy Technology Co., Ltd. was founded in 2007, It is a high-tech enterprise invested by Delin Holding Group. We specialized in solar cells, photovoltaic modules and solar systems design, production and sales. Sunket is located in the Historic Town of Dangkou, and covers an area of 15000 square meters .The annual production capacity of PV modules has reached 750MW by introducing the world's advanced automatic production line and testing equipment.

Since it was established, Sunket adhere to the concept to make accurate and superior products, constantly develop high-quality solar products and extend to the downstream, finally building a complete vertical industry chain in "solar cells market \ solar module manufacture\ solar system project and solar application. "We have approved by many international and domestic authoritative certification, such as ISO,TUV, IEC, CE and CQC Solar Product Certificates. Our products are exported to Europe, Southeast Asia, Middle East, Africa and South America and other countries and regions. The company also provides customized product service, which have won the compliments from clients around the world.

Sunket has always been to the concept of "Shared and Beyond" as our mission, adhering to the "Client First, Quality First, Credit First" as operation philosophy, and adhering to the " integrity, pragmatic, teamwork, innovation" as the spirit of our enterprise, aims at providing high-quality, high performance solar products. Sunket is committed to becoming a diversified, large-scale, international professional solar green energy suppliers, in the field of solar PV industry to provide one-stop services and solutions for global market.

2007 years
Founded






15000 M²
Area of factory

160 million RMB
Total investment

750 MW
Capacity of production

380
Employees

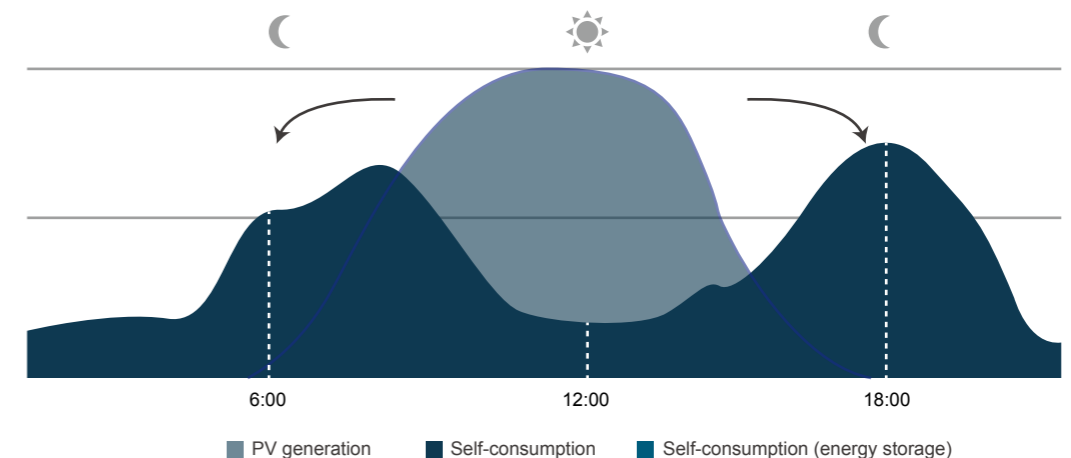
Energy Solutions

 Utility Energy Storage Solution	 Residential Energy Storage Solution	 IDC Backup Power Solution	 C&I Energy Storage Solution	 Integrated Energy Solution
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About Sunket Energy Residential Energy Storage Solution

Sunket home energy storage system is a green, efficient, advanced and safe energy supplying system, which saves home electricity cost by storing energy from off-peak hours and surplus clean energy generated from photovoltaic system, and powering the household during peak hours or blackout.




Integrated with lithium-ion battery energy storage system and home energy management system, the solution is expandable on demand and has a variety of combinations. Flexible, efficient and customized products and services, it is friendly to home users to build a clean, independent and economic micro-grid.



Key Features

- Economic: use clean economy solar energy for 24 hours
- Flexible: capacity reaches to 20 kWh with expansion battery box
- Autonomous: on-grid or off-grid operation, ideal for various application scenarios
- Smart: real-time monitoring, can track system operation status from anywhere
- Convenient: quick installation, easy operation
- Reliable: stable power supply, high safety and reliability

Product Portfolio

 Self consumption	 Peak shifting	 Emergency power
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Technical Properties

LFP 2400

Total Energy*	2.4kWh	
Usable Energy(d.c)*	2.4kWh	
Nominal Charge/Discharge Power	1.2kW	
Peak Power(Only discharge)	3.5kW for 3 seconds	
Constant Current(Only discharge)	40A	
Voltage	48-56Vd.c	
Nominal Voltage	51.2Vd.c	
Nominal Current	30A	
Max. Charge Voltage	57.6V	
Recommended DOD	90%	
Operating Condition	Indoor	
Operating Temperature	Charge	From 0~45 °C
	Discharge	From -10~55 °C

Dimension(mm)	442*500*133
Weight	27.5kg
Humidity	20~60%(No condensed water)
Over Voltage Category	II
Cooling Type	Natural cooling
Case Material	Metal
Color	Black/Dark Blue
Installation	Cabinet or Wall mounting
IP rating	IP 20
Protective Class	I
Max. Number of Parallel or Series	10
Warranty	10 years
Communication	CAN/ RS485
Protection Mode	Triple hardware protection
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature
Certification	
Safety	CE & TUV(IEC 62619, IEC 62040)
Hazardous Material Classification	9
Transportation	UN 38.3

Testing conditions based on temperature 25 °C at the beginning of life.
 *Total Energy/Usable Energy measured under specific conditions from Sunket 0.2C CC-CV





Technical Properties

LFP 5000

Total Energy*	5.1kWh	
Usable Energy(d.c)*	4.8kWh	
Nominal Charge/Discharge Power	3.0kW	
Peak Power(Only discharge)	6.0kW for 3 seconds	
Constant Current(Only discharge)	80A	
Voltage	48-56Vd.c	
Nominal Voltage	51.2Vd.c	
Nominal Current	60A	
Max. Charge Voltage	57.6V	
Recommended DOD	90%	
Operating Condition	Indoor	
Operating Temperature	Charge	From 0~45 °C
	Discharge	From -10~55 °C

Dimension(mm)	442*500*133
Weight	51kg
Humidity	20~60%(No condensed water)
Over Voltage Category	II
Cooling Type	Natural cooling
Case Material	Metal
Color	Black/Dark Blue
Installation	Cabinet or Wall mounting
IP rating	IP 20
Protective Class	I
Max. Number of Parallel or Series	8
Warranty	10 years
Communication	CAN/ RS485
Protection Mode	Dual hardware protection
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature
Safety	CE & TUV(IEC 62619, IEC 62040)
Hazardous Material Classification	9
Transportation	UN 38.3

Testing conditions based on temperature 25 °C at the beginning of life.

*Total Energy/Usable Energy measured under specific conditions from Sunket 0.2C CC-CV





Max.recommended DOD	90%
Operating Condition	Indoor or outdoor
Operating Temperature	Charge: From 0~45 °C Discharge: From -10~50 °C
Humidity	4~100% (No condensed water)
Pollution Degree	3
Over Voltage Category	II
Cooling Type	Natural cooling
Case Material	Metal+Plastic
IP rating	IP 65
Protective Class	I
Max. Number of Parallel or Series	16
Warranty	10 years
Life Span	>15 years
Communication	CAN
Protection Mode	Triple hardware protection
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage
Hazardous Material Classification	9

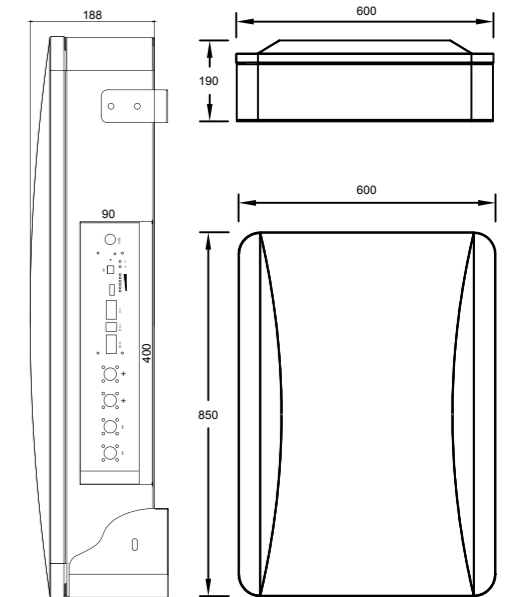
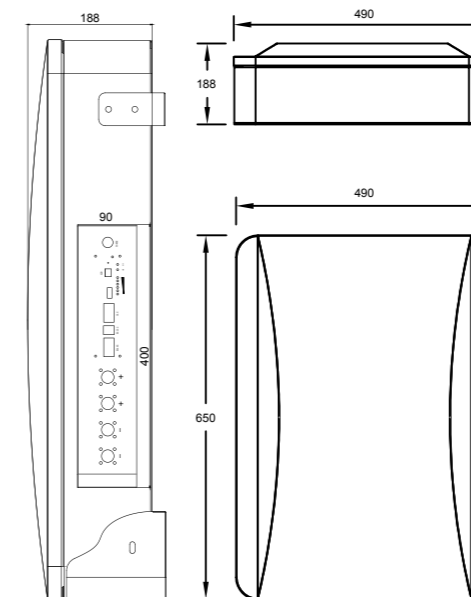
Testing conditions based on temperature 25 °C at the beginning of life.

*Total Energy/Usable Energy measured under specific conditions from Sunket 0.2C CC-CV

Technical Properties

LFP 5-10KWH / LV

Module Type	LFP 5kWh/LV	LFP 10kWh/LV
Total Energy*	5kWh	10kWh
Usable Energy(DC)*	4.6kWh	9.2kWh
Nominal Dis-/Charge Power	3kW	4.6kW
Peak Power(Only Discharge)	7kWh for 3 seconds	10kWh for 3 seconds
Constant Current(Only Discharge)	100A	100A
Voltage	40~58.4Vd.c	40~58.4Vd.c
Nominal Voltage	51.2Vd.c	51.2Vd.c
Nominal Current	60A	100A
Max. Charge Voltage	59.2V±0.5V d.c	59.2V±0.5V d.c
Weight	54kg	85kg
Dimension(mm)	490*650*188mm	600*850*188mm
Safety	CE UN38.3	CE UN38.3



Large-scale 500kWh~10MWh

Large scale energy storage solution provides a reliable and cost-efficient electricity supply for municipalities, infrastructures, industrial manufacturers and commercial campuses and so on. The distributed energy system in the form of microgrid can operate on/off grid, manage distributed energy, maximize efficiency and reduce electricity bills. It's utilized for various applications such as peak shifting, demand charge, backup power, and black start, voltage support, output smoothing and demand response management, etc.



Ancillary services

frequency regulation, peak shifting, backup, voltage support, black start



T&D

deferral of transmission and distribution facilities upgrade, ease congestion and voltage stability



Energy management

improve power quality, power supply reliability, demand charge, backup power

Typical Applications

