SUSTAIN THE EARTH BEYOND THE SUN

LUMENTREE

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WhatsApp

LightEarth

http://www.lumentree.co

LUMENTREE

LUMENTREE HYBRID INVERTER SERIES ALBUM

Hangzhou Lumentree
New Energy Co., Ltd.

OUR COMPANY

Aerial View Of The Base





27%
R&D
PERSONNEL

15%
REINVESTED
INTO R&D

100%
SELF-DEVELOPED

OEM
ODM

LUMENTREE is an innovative and forward-thinking solar energy company specializing in the development and production of photovoltaic hybrid inverters and energy storage systems, with rich experience in OEM/ODM, our mission is to make renewable energy solutions accessible and affordable to all.

Synergistic
Expertise
Customization
Innovation

OUR FACTORY AND PRODUCTION LINES

Expertise and quality:

Professional craftsmanship and robust quality systems come together to produce inverters that our customers trust worldwide.

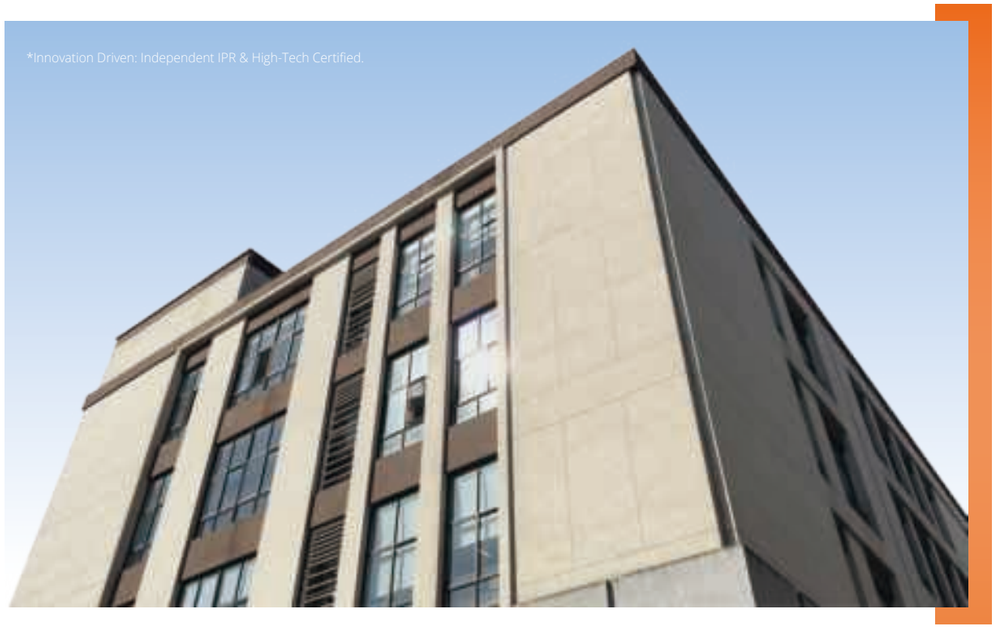
01 Well-trained Workers

Our production workers are rigorously trained to master every step of the manufacturing process.

02 Strict QC

Strict quality control at every stage ensures long-term reliability in each Lumentree inverter.





ISO MANAGEMENT SYSTEM CERTIFICATION







With advanced testing equipment, we conduct comprehensive EMC tests to guarantee stable performance in real-world environments.



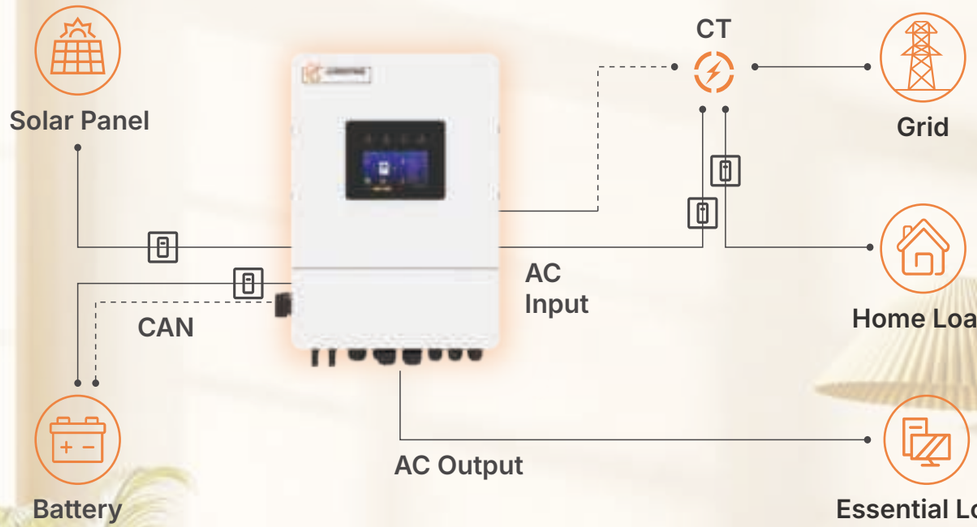


CERTIFICATES

With nearly 15 years of extensive certification experience, Lumentree is well-equipped to deliver professional certification reports in the shortest possible time—provided our distributor partners collaborate closely throughout the process.



HYBRID STORAGE SOLUTIONS



" One-stop home energy system "

SMART MONITORING SYSTEM

—

One-stop home energy system

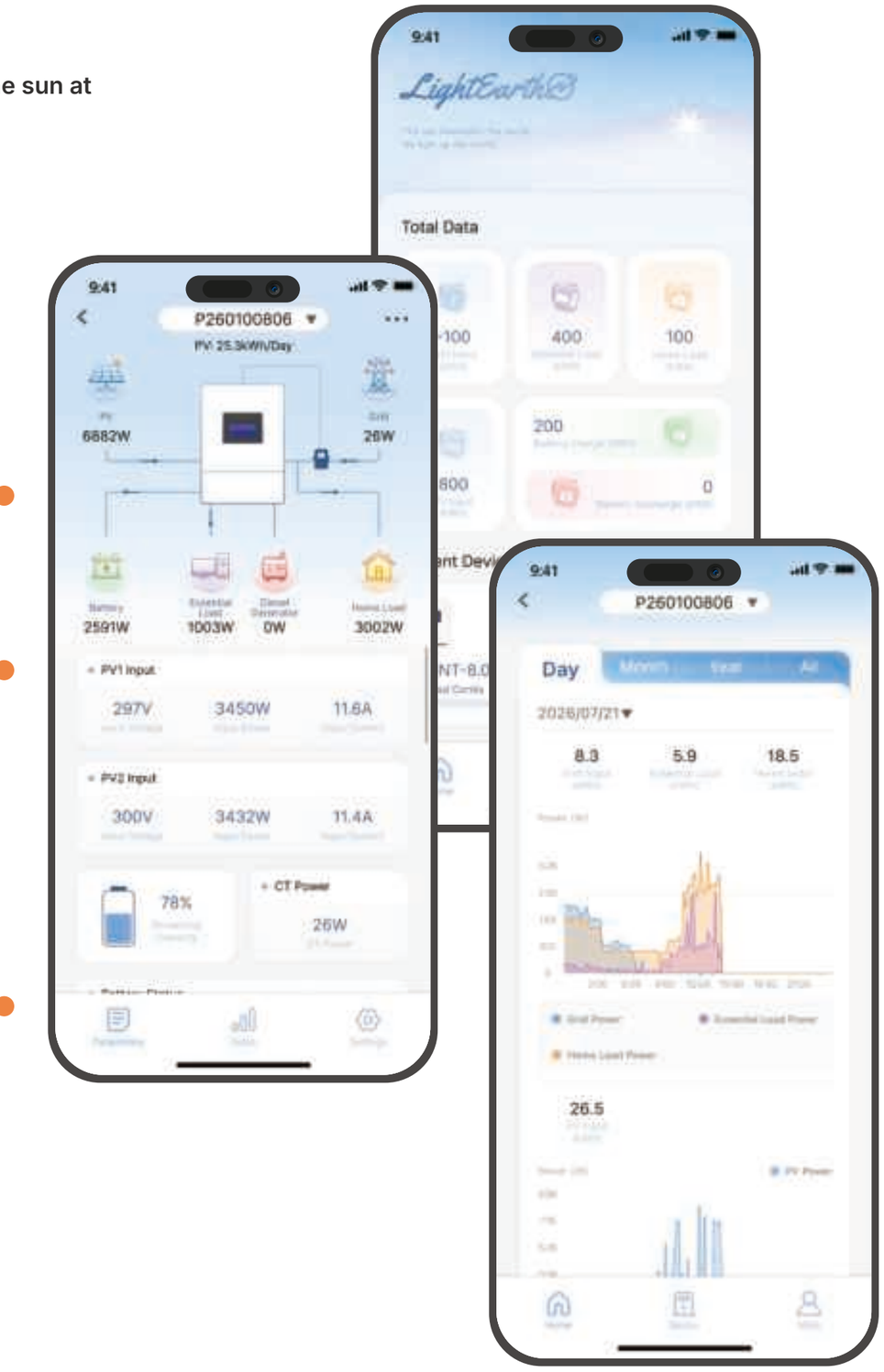
LightEarth App

01
All in one: make, use, save, and sell your own power right from the palm of your hand.

02
Monitor home energy system performance in real-time by our new generation monitoring LightEarth App.



The power of the sun at your fingertips



LUMENTREE

LUMENTREE



Facebook

YouTube

WhatsApp

HYBRID INVERTER

SUNT-4.0/6.0kW-S-GR

- Built-in Wi-Fi/Bluetooth
- AC-Coupled with Micro/String Inverters
- 5 Sec Real-Time Cloud Monitoring
- IP65: Dust-Tight & Water-Jet Resistant
- Compatible with Generator
- Works with or without a Battery
- Smart Cooling System
- Up to 6 Units in Parallel
- Sell Back to the Grid

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Name	5K ULTRA	6.6K ULTRA
Model	SUNT-4.0kW-S-GR	SUNT-6.0kW-S-GR
Battery Input (DC Input)		
Supported Battery Type	LiFePO4 or Lead-Acid	
Battery Input Voltage Range (V)	40~60	
Max. Charge Voltage (V)	60 (Configurable)	
Max. Charge Current (A)	80 (Configurable)	120 (Configurable)
Max. Discharge Current (A)	90 (Configurable)	130 (Configurable)
Battery Capacity (Ah) (Recommend)	100~2000	
Charge for LiFePO4 Battery Pack	Communicating with BMS of the Battery Pack	
PV String Input (DC Input)		
Max. DC Input Power (W)	8000	12000
Max. DC Input Voltage (V)	500	
MPPT Voltage Range (V)	120~450	
Start-Up Voltage (V)	150	
Max. Input Current (A)	15x2 =30 2 MPPT	20x2 =40 2 MPPT
AC Output (Back-Up) Feed to Essential Load		
Max. Output Power (W)	4000	6000
Max. Output Apparent Power (VA)	4000	6000
Peak Output Apparent Power (VA)	8000	12000
Max. Output Current (A)	18	27
Nominal Output Voltage (Vac)	220/230/240 (Configurable) Single Phase	
Nominal Output Frequency (Hz)	50/60 (+/-0.2%) (Configurable)	
Max. Bypass Current (A)	40	
Shift Time (Bypass and Inverter) (ms)	10	
Output THD (Resistor Load)	<3%	
AC Input (On-Grid) Bypass to Essential Load/Charge the Battery/Feed to Home Load		
Max. Input Power (W) Bypass to Essential Load/Charge the Battery	4000	6000
Max. Output Power (W) Feed to Home Load	5000	6600
Max. Apparent Input Power (VA) Bypass to Essential Load/Charge the Battery	4000	6000
Max. Apparent Output Power (VA) Feed to Home Load	5000	6600
Nominal Input/Output Voltage (V)	220/230/240 (Auto Adjusted to Fit Home Grid) Single Phase	
Nominal Input/Output Frequency (Hz)	50/60 (Auto Adjusted to Fit Home Grid)	
Max. Bypass Current (A)	40	
Shift Time (Bypass and Inverter) (ms)	10	
Efficiency		
Max. Efficiency	97.60%	
Max. Battery to Load Efficiency	94.0%	
Europe Efficiency	97.60%	
MPPT Efficiency	99.9%	
Protection		
Integrated	Battery Over Charge Protection, Battery Low Voltage Protection, Over Temperature Protection , Output Overload Protection, Output Short Circuit Protection, Output Over Voltage Protection	
Certifications & Standards		
Grid Regulation & Safety/EMC Regulation	VDE-AR-N 4105; UNE 217001; G100; EN 50549-1; IEC 61727; IEC 62116; IEC 61683; IEC/EN 61000-6-1/3; IEC/EN 62109-1/2	
General Data		
Operating Temperature Range	-25℃~60℃ (>35℃ Derating)	
Protection Degree	IP65	
Product Size/Package Size (LxWxH) (mm)	402×178×519/470×248×560	
Net Weight/Gross Weight (kg)	16.5/18.5	