



Hybrid Inverter

On/off-grid | Single Phase | Low Voltage

Isuna 6000S



Efficient

SiC technology,
Max. efficiency up to 98%, high energy efficiency.



High compatibility

150%-200% PV Input Power,
2 MPPTs, PV Input Current 18A,
Higher Compatibility with PV Panel.



Less noise

Noise emission less than 25 dB when operating.



Extensible

Max. 6 Units in Parallel (Off-grid Mode),
easy to build various power PV systems.



Flexible install

IP65 Ingress protection, adapt to a variety of installation environments.



Intelligent monitoring APP

Remote monitoring of operation, access to power benefits through APP.

Model	Isuna 6000S
Off-grid Output	
Rated Output Power	6000W
Rated Output Voltage	220V/230V/240V
Rated Frequency	50/60Hz
Rated Output Current	27.2A
Output THDu	<2%
Peak Power&Duration	120%(10s)*
On-grid	
Rated Output Power	6kW
Max. Output Current	27.2A
Rated Grid Voltage	220V/230V/240V
Max. Input Current from Grid	27.2A
Grid Voltage Range	184-276V
Grid Frequency	45-65Hz
PV Input	
Max. Input Power	9000Wp
Starting Voltage	95V
Max. Input Voltage	600V
Number of MPPT	2
Max. Input String Per MPPT	1/1
MPPT Voltage Range	80-500V
Rated Input Voltage	360V
Max. Input Current	18A/18A
Battery	
Battery Type	Lithium-ion/Lead-Acid (optional)
Rated Battery Voltage	51.2V
Battery Voltage Range	42-58V
Max. Charging Voltage	≤60V
Charging/Discharging Current	100A
Efficiency	
Max. Efficiency	98.0%
European Efficiency	97.5%
Max. Battery Charging/Discharging Efficiency	95.2%

* Overload output is dependent on sufficient PV and battery energy

Model	Isuna 6000S
General	
Dimensions (W×H×D)	500mm×470mm×180mm
Weight	21kg
Noise	<25dB
Operating Temperature	-25°C ~ +60°C (>45°C Derating)
Operating Altitude	4000m (>3000m Derating)
Cooling Method	Natural Cooling
Ingress Rating	IP65
Monitoring	LED/WIFI/4G/Bluetooth/RS485
Communication Port	RS485/CAN/DRED/Dry contact/Parallel port
Protection	DC Switch; AC Overvoltage Protection; AC Overcurrent Protection; AC Short Circuit Protection; Anti-islanding Protection; Residual Current Monitoring; PV Insulation Resistance Detection; Surge Protection:LEVEL II; Reverse Polarity Protection(PV&Battery);Lightning Protection
Certification	
Safety	IEC62109-1&2, IEC62477-1
EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3,EN61000-6-4
Grid	AS4777.2:2020+Amd 1:2021