

# On/off-grid | Single Phase | Low Voltage

Hybrid Inverter

3/3.6/4/4.6/5/6 kW




## Product Features

 **SiC Technology**  
Max.Efficiency 98%

 **Support 6 Units in Parallel (Off-grid Mode)**

 **150-200% PV Input Power**  
PV Input Current 18A

 **Natural Cooling**  
(Noise<25dB)

 **<10ms On/Off-grid Switchover**

 **Support Setting of 6 Charging/Discharging Time Period**

 **Without LCD/LED Display Design, Higher Reliability**

 **Support AC Couple**

 **Self-owned APP, Support Adding New Language**

Model Name	Isuna 3000S	Isuna 3600S	Isuna 4000S	Isuna 4600S	Isuna 5000S	Isuna 6000S
<b>Off-grid Output</b>						
Rated Output Power	3000W	3600W	4000W	4600W	5000W	6000W
Rated Voltage	220V/230V/240V					
Rated Frequency	50/60Hz					
Rated Output Current	13.6A	16.4A	18.2A	20.8A	22.7A	27.2A
Output THDu	< 2%					
Peak Power&Duration	120%(10s)*					
<b>On-grid Parameter</b>						
Rated Output Power	3000W	3600W	4000W	4600W	5000W	6000W
Max. Output Current	13.6A	16.4A	18.2A	20.8A	22.7A	27.2A
Rated Grid Voltage	220V/230V/240V					
Max. Input Current from Grid	16.4A	22.7A		27.2A		
Grid Voltage Range	184-276V					
Frequency Range	45-65Hz					
<b>PV Input</b>						
Max. Input Power	6000Wp	7200Wp		8000Wp		9000Wp
Starting Voltage	95V					
Max.Input Voltage	600V					
MPPT Voltage Range	80-500V					
Number of MPPT	2					
Max. Input String Per MPPT	1					
Rated Input Voltage	360V					
Max. Input Current	18A/18A					
<b>Battery Parameter</b>						
Battery Type	Lithium-ion/Lead-Acid/Sodium-ion					
Rated Battery Voltage	51.2V					
Battery Voltage Range	42-58V					
Max. Charging Voltage	≤60V					
Battery Charging/Discharging Current	75A	85A		100A		
<b>Efficiency</b>						
Max. Efficiency	97.5%		97.8%		98.0%	
European Efficiency	97.2%		97.3%		97.5%	
Max. Battery Charging/Discharging Efficiency	95.2%					
<b>General Data</b>						
Size(W*H*D)	500mm*470mm*180mm					
Weight	21kg					
Noise	<25dB(A)					
Operating Temperature	-25°C~+60°C (>45°C Derating)					
Operational Altitude	4000m (>3000m Derating)					
Cooling Method	Natural Cooling					
Ingress Protection Grade	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					
<b>Certification</b>						
CE-LVD	IEC 62109-1, IEC 62109-2, EN 62109-1, EN 62109-2, IEC 62477-1					
CE-EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 62920					
Grid	VDE-AR-N 4105, C10-11, G98/G99, CEI 0-21, EN50549, NRS 097-2-1, R25,UNE217001, UNE217002, NTS 2.1, PEA, MEA, NC RfG					

\*Overload output is dependent on sufficient PV and battery energy