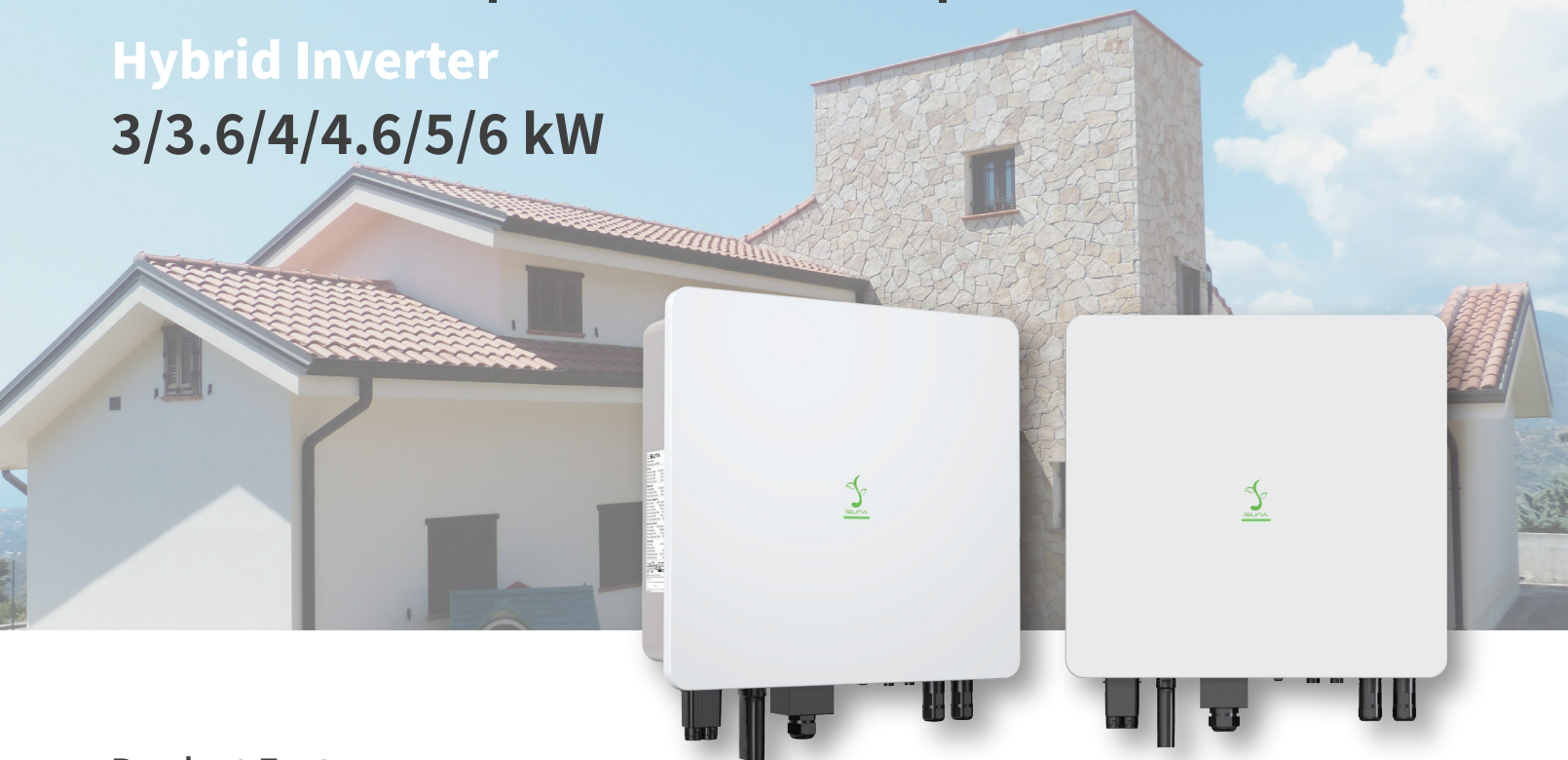


On/Off-grid | Single Phase | Low Voltage

Hybrid Inverter

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



Product Features



Wide PV Input

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



Silent operation

- Fan-less design
- Noise < 25 dB(A)



High Efficiency

- Silicon Carbide (SiC) Technology
- Max. Conversion Efficiency up to 98%
- Lower losses, higher power generation for improved energy-use returns



Custom-built APP

- Support to add new language for local adaption
- 6 configurable charge/discharge time slots
- Remote firmware upgrade



Seamless switching

- 0 ms off-grid to grid-tied switch*
- 4 ms grid-tied to off-grid switch*
- Smooth startup; no tripping no power outage



Parallel Operation

- Up to 6-unit parallel operation
- Flexible power expansion for high-power loads
- Stable parallel connection & great expandability



Battery Compatibility

- Compatible with lead-acid & lithium batteries
- Intelligent charge-discharge strategy
- Precise protection extends battery life



Long Official Warranty

- 5-year standard warranty included
- IP65 protection rating stable and durable



Broad Compatibility

- Supports AC-coupling

Model Name	Isuna 3000S	Isuna 3600S	Isuna 4000S	Isuna 4600S	Isuna 5000S	Isuna 6000S
	Off-grid Output					
Rated Output Power	3000W	3600W	4000W	4600W	5000W	6000W
Max. Output Power	3300VA	3960VA	4400VA	5060VA	5500VA	6600VA
Rated Output Current	13.6A	16.4A	18.2A	20.8A	22.7A	27.2A
Rated Frequency	50/60Hz					
Rated Voltage	220V/230V/240V					
THDu	<2%					
	On-grid Parameter					
Rated Output Power	3000W	3600W	4000W	4600W	5000W	6000W
Max. Output Current	13.6A	16.4A	18.2A	20.8A	22.7A	27.2A
Max. Grid Input Current	16.4A	22.7A	22.7A	27.2A	27.2A	27.2A
Rated Grid Voltage	220V/230V/240V					
Grid Voltage Range	184-276V					
Frequency Range	45-65Hz					
	PV Input					
Rec. Max. Install Pwr.	7.5kWp	9kWp	9kWp	10kWp	10kWp	11.25kWp
Max. Input Power	6kW	7.2kWp	7.2kWp	8kWp	8kWp	9kWp
Startup Voltage	95V					
Max. Input Voltage	600V					
MPPT Voltage Range	80-500V					
Number of MPPT	2					
Max. Strings per MPPT	1					
Rated Input Voltage	360V					
Max. Input Current	18A/18A					
	Battery Parameter					
Battery Type	Lithium-ion/Lead-acid/Sodium-ion					
Rated Battery Voltage	51.2V					
Battery Voltage Range	42-58V					
Max. Charge-Discharge Current	75A	85A	85A	100A	100A	100A
	Efficiency					
Max. Efficiency	97.5%		97.8%		98%	
European Efficiency	97.2%		97.3%		97.5%	
Max. Batt. Chg-Disch. Efficiency	95.2%					
	General Data					
Dimensions(W*H*D)	500*470*180mm					
Weight	21kg					
Noise Level	<25dB(A)					
Operating Temperature	-25℃~60℃ (>45℃ Derating)					
Operating Altitude	4000m (>3000m Derating)					
Cooling Type	Natural Convection					
IP Rating	IP65					
Comm. Interface	CAN/RS485/DRED/Dry Contact/Parallel Port					
HMI Mode	LED/APP/4G/WIFI/Bluetooth					
Protection	DC Switch; DC Insulation Detection; Overload / Over-voltage Protection; AC Short-circuit Protection; Anti-islanding Protection; Residual Current Detection; Over-voltage Category: AC side: Category III , Battery & PV: Category II ; Surge Protection; Lightning Protection: TYPE II ; Reverse-insertion Protection (PV & Battery)					
	Certification					
CE-EMC	EN 61000-6-1, EN 61000-6-2:2019, EN 61000-6-3, EN IEC 61000-6-4					
CE-LVD	IEC 62109-1, EN 62109-1, IEC 62109-2, EN 62109-2, EN 62920					
Grid	VDE-AR-N 4105, C10-11, G98/G99, CEI 0-21, EN 50549, NRS 097-2-1, R 25, UNE 217001, UNE 217002, NTS 2.1, PEA, MEA, NC RfG, AS/NZS 4777.2:2020+A1, IEC 62116:2014, IEC 61727:2024					

*Technical data are typical laboratory values and may vary in practical application