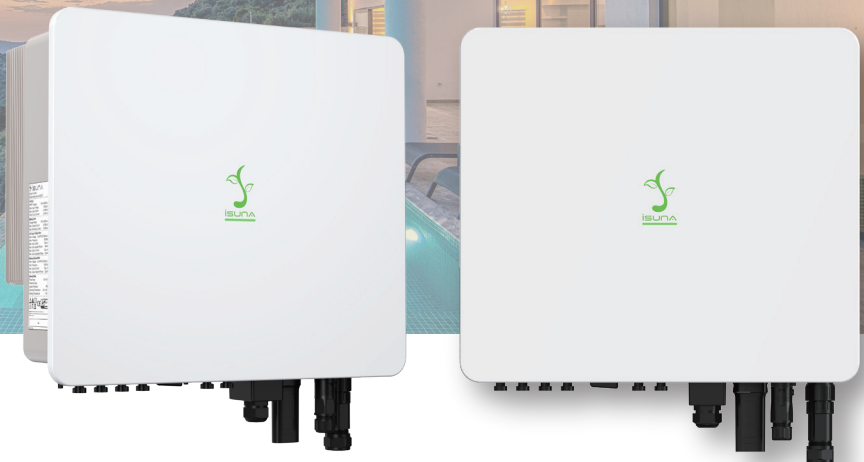


On/Off-grid | Three Phase | High Voltage

Hybrid Inverter

5/6/8/10/12/15/18/20 kW



Product Features



Wide PV Input

- 150%–200% PV Input Power
- Supports 2 Independent MPPT Tracks
- Max PV Input Current per Track: 25A



Robust Grid Input

- 200% Grid Input Power
- 58A Grid Input Current
- Supports simultaneous load power supply and battery charging



High Efficiency

- Silicon Carbide (SiC) Technology
- Max. Conversion Efficiency up to 98.2%
- Lower losses, higher power generation for improved energy-use returns



Broad Compatibility

- Supports AC-coupling
- Suitable for areas with fluctuating mains voltage
- Stable performance under weak-grid conditions



Strong Overload

- 100% unbalanced three-phase output
- Unlimited single-phase full-load flexible whole-house load matching



Parallel Operation

- Up to 6-unit parallel operation (off-grid mode)
- Flexible power expansion for high-power loads
- Stable parallel connection & great expandability



Battery Compatibility

- Compatible with lead-acid & lithium batteries
- 2 independent battery ports
- Mixed new/old battery support



Long Official Warranty

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



Custom-built APP

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

Model Name	Isuna 5000T	Isuna 6000T	Isuna 8000T	Isuna 10000T	Isuna 12000T	Isuna 15000T	Isuna 18000T	Isuna 20000T
	Off-grid Output							
Rated Output Power	5kW	6kW	8kW	10kW	12kW	15kW	18kW	20kW
Peak Power & Duration	10kVA-60s	10kVA-60s	10kVA-60s	11kVA-60s	13.2kVA-60s	16.5kVA-60s	19.8kVA-60s	22kVA-60s
Rated Output Current	7.5A	9A	12A	15A	18A	22.5A	27A	30A
Rated Voltage	3/N/PE, 220/380Vac, 230/400Vac							
Rated Frequency	50/60Hz							
THDu	<3%							
	On-grid Parameter							
Rated Output Power	5kW	6kW	8kW	10kW	12kW	15kW	18kW	20kW
Max. Grid Input Power	10kVA	12kVA	16kVA	20kVA	24kVA	30kVA	36kVA	40kVA
Max. Grid Input Current	15A	18A	24A	29A	35A	44A	52A	58A
Max. Output Current	8A	10A	13A	16A	20A	24A	29A	32A
Rated Grid Voltage	3/N/PE, 220/380V, 230/400V, 240/415V							
Grid Voltage Range	184-276V/320-480V							
	PV Input							
Rec. Max. Install Pwr.	12.5kWp	15kWp	20kWp	25kWp	30kWp	37.5kWp	37.5kWp	37.5kWp
Max. Input Power	10kWp	12kWp	16kWp	20kWp	24kWp	30kWp	30kWp	30kWp
Max. Input Voltage	1000V							
Number of MPPT	2							
Max. Strings per MPPT	2							
MPPT Voltage Range	130-960V							
Rated Voltage	600V							
Startup Voltage	200V							
Max. Input Current	25A/25A							
Short-ckt Current	30A/30A							
	Battery Parameter							
Battery Type	Lithium-ion/Lead-acid/Sodium-ion							
No. of Battery Inputs	2							
Battery Voltage Range	125-800V							
Battery Charge-Discharge Current	25A*2							
Peak Charge-Discharge Current-Time	35A*2-60s							
	Efficiency							
Max. Efficiency	98.2%							
European Efficiency	97.7%							
Max. Batt. Chg-Disch. Efficiency	97.8%							
	General Data							
Dimensions(W*H*D)	573*509*219mm							
Weight	35kg							
Noise Level	<45dB(A)							
Operating Altitude	5000m (>3000m Derating)							
Operating Temperature	-25℃~60℃ (>40℃ Derating)							
Cooling Type	Natural convection							
IP Rating	IP65							
HMI Mode	LED/4G/WIFI/RS485/Bluetooth							
Comm. Interface	CAN/RS485/DRED/Dry Contact/Parallel Port							
Protection	DC Switch; Overload / Over-voltage Protection; AC Short-circuit Protection; Anti-islanding Protection; Residual Current Detection; Surge Protection; Lightning Protection: TYPE II ; Reverse-insertion Protection (PV & Battery)							
	Certification							
CE-EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 62920							
CE-LVD	IEC 62109-1, IEC 62109-2, EN 62109-1, EN 62109-2, IEC 62477-1							
Grid	VDE-AR-N 4105, C10-11, G98/G99, CEI 0-21, EN50549, PEA, MEA, IEC 62116, IEC 61727 NRS 097-2-1, AS 4777.2, R25, UNE217001, UNE217002, NTS 2.1, NCRFG							