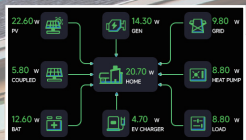


On/off-Grid | Three Phase | Low Voltage

Hybrid Inverter

15/18/20/25/29.9/30 kW



Product Features



Wide PV Input

- 200%PV input power
- Supports 10 MPPT channels
- 20-40A PV input current



Robust Grid Input

- 68.2-90.9A Grid input current
- Supports simultaneous load power supply & battery charging



High Efficiency

- MPPT Efficiency 99.9%
- SiC Technology



Executive Gen Smart Load Port

- Auto start-stop for generator
- Max. generator input current 75.8A-90.9A



Strong Overload

- 110% continuous overload
- Easily drives inductive loads
- Smooth startup, no tripping or power interruption



Parallel Operation

- Supports up to 6 units in parallel (Off-grid Mode)
- Flexible power expansion for high-power loads
- Stable parallel system, strong scalability



Battery Compatibility

- Compatible with lead-acid, lithium and sodium-ion batteries
- 2 independent battery ports compatible with new & used batteries



Long Official Warranty

- Standard 5-year warranty
- Industrial-grade design & quality control
- Lower maintenance cost, higher reliability



Intelligent Silent Cooling

- Intelligent temperature-controlled fan for quiet operation

Model Name	Isuna W15K-TL-S	Isuna W18K-TL-S	Isuna W20K-TL-S	Isuna W25K-TL-S	Isuna W29.9K-TL-S	Isuna W30K-TL-S
	Off-grid Output					
Rated Output Power	15kW	18kW	20kW	25kW	29.9kW	30kW
Max. Apparent Power	16.5kVA	19.8kVA	22kVA	27.5kVA	32.9kVA	33kVA
Max. Output Current	25A/23.9A	30A/28.7A	33.3A/31.9A	41.7A/39.9A	49.8A/47.7A	50A/47.8A
Peak Power & Duration	45kW-10s					
Rated Output Voltage	3/N/PE, 220/380Vac; 230/400Vac					
	On-grid Parameter					
Rated Output Power	15kW	18kW	20kW	25kW	29.9kW	30kW
Max. Apparent Power	16.5kVA	19.8kVA	22kVA	27.5kVA	32.9kVA	33kVA
Max. Output Current	25A/23.9A	30A/28.7A	33.3A/31.9A	41.7A/39.9A	49.8A/47.7A	50A/47.8A
Max. Grid Input Power	45kVA	48kVA	50kVA	55kVA	59.9kVA	60kVA
Rated Voltage	3/N/PE, 220/380Vac; 230/400Vac					
Grid Voltage Range	185-276V (P2N)					
	PV Input					
Rec. PV Input Power	30kWp	36kWp	40kWp	50kWp	59.8kWp	60kWp
Max. PV Input Power	24kWp	28.8kWp	32kWp	40kWp	47.8kWp	48kWp
Max. Input Voltage	1000V					
Startup Voltage	140V					
MPPT Voltage Range	130-850V					
Full Load MPPT V Range	220-850V	240-850V	267-850V	333-850V	398-850V	400-850V
Rated Voltage	600V					
MPPT Quantity	4					
Max. Number of PV Strings per MPPT Tracker	2/2/1/1					
Max. Input Current	40A/40A/20A/20A					
Short-circuit Current	60A/60A/30A/30A					
	Battery Parameter					
Battery Type	Lithium-ion / Lead-acid / Sodium					
Battery Input Channels	2					
Battery Voltage Range	30-60V					
Rated Chg/Disch Current	146A+146A	176A+176A	195A+195A	230A+230A	230A+230A	230A+230A
COMM Interface	CAN/RS485					
	Generator Parameter					
Max. Input Power	45kVA	48kVA	50kW	55kW	59.9kW	60kW
Max. Input Current	68.2A	72.7A	75.8A	83.3A	90.8A	90.9A
Rated Voltage	3/N/PE, 220/380Vac; 230/400Vac					
	Efficiency					
MPPT Efficiency	99.9%					
European Efficiency	97.5%					
	General Data					
Dimensions(W*H*D)	515*665*270mm					
Weight	55kg(TBD)					
Operating Temperature	-25°C ~ +60°C					
Noise	<65db					
Cooling Type	Intelligent Air Cooling					
IP	IP65					
COMM Interface	RS485/WiFi/Bluetooth/LAN/CAN/DRM/Meter					
Protect	Overvoltage/Undervoltage Protection, Overcurrent/Short-circuit Protection, Anti-islanding Protection, Overfrequency/Underfrequency Protection, Earth Leakage Protection, Insulation Detection & Protection, Reverse Polarity Protection, Active Activation, Earth Leakage Protection, Integrated AFCI (Optional)					
	Certification					
CE-EMC	IEC/EN 61000-6-1/-2, IEC/EN 61000-6-3/-4, IEC/EN 61000-3-2/-12, IEC/EN 61000-3-3/-11					
CE-LVD	IEC 62109-1, IEC 62109-2, EN 62477-1					
Grid	VDE-AR-N 4105 0124, EN 50549-1:2019/AC:2019, EN 50549-10:2022, C10/C11					