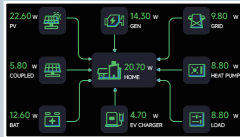


On/Off-grid | Single Phase | Low Voltage

Hybrid Inverter

8 kW



Product Features



Wide PV Input

- 250% PV Input Power
- 18A PV Input Current
- 2 MPPT Tracks



Robust Grid Input

- Grid Input Current 50A
- Supports simultaneous load power supply and battery charging



Executive Gen Smart Load Port

- Auto start-stop for generator
- Max. generator input current 50A



Wide Grid Voltage

- 184-264V Supported Grid Voltage
- Suitable for areas with fluctuating mains voltage
- Stable performance under weak-grid conditions



Strong Overload

- Supports 110% continuous overload
- Smooth startup, no tripping & no power interruption



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 and sodium-ion batteries
- Intelligent charge-discharge strategy
- Precise protection extends battery life



Long Official Warranty

- 5-year standard warranty included
- IP65 protection rating stable and durable
- Intelligent temperature-controlled fan for quiet operation



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

Model Name	Isuna E8K-SL-S
Off-grid Output	
Rated Output Power	8kW
Overload Output Power	8.8kW(10s)
Rated Frequency	50/60Hz
Rated Voltage	220V/230V/240V
THDu	<2%
Switching Time	≤10ms
On-grid Parameter	
Max. On-grid Out. Pwr.	8kW
Max. Output Current	34.8A
Max. Grid Input Power	50A
Rated On-grid Voltage	220V/230V/240V
Grid Voltage Range	184-276V
Grid Frequency Range	50/60±5Hz
PV Input	
Rec. Max. Install Pwr.	11250Wp
Max. Input Power	9000Wp
Startup Voltage	80V
Rated Voltage	360V
No. of MPPT	2
MPPT Voltage Range	65-500V
Max. Input Current	18A/18A
Short-ckt Current	22A/22A
Battery Parameter	
Battery Type	Lithium-ion/Lead-acid/Sodium-ion
Rated Voltage	51.2V
Battery Voltage Range	30-60V
Max. Chg-Dischg. Pwr.	8kW
Max. Chg-Dischg. Curr.	135A
Efficiency	
Max. Efficiency	97.6%
European Efficiency	97.2%
Max. Batt. Chg-Disch. Efficiency	94%
Generator Parameter	
Max. Input Current	50A
Rated Output Voltage	L/N/PE, 220V/230V/240V
Voltage Range	184~276V
General Data	
Dimensions(W*H*D)	380*480*211.3mm
Weight	23kg
Noise Level	<56dB(A)
Operating Temperature	-25℃ ~ +60℃ (>40℃ Derating)
Operating Altitude	4000m(>3000m Derating)
Cooling Type	Intelligent Air Cooling
IP Rating	IP65
HMI Mode	LCD/APP/WIFI/Bluetooth/4G/LAN
Comm. Interface	RS485/CAN/DO/Parallel port
Protection	DC Switch; 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-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

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