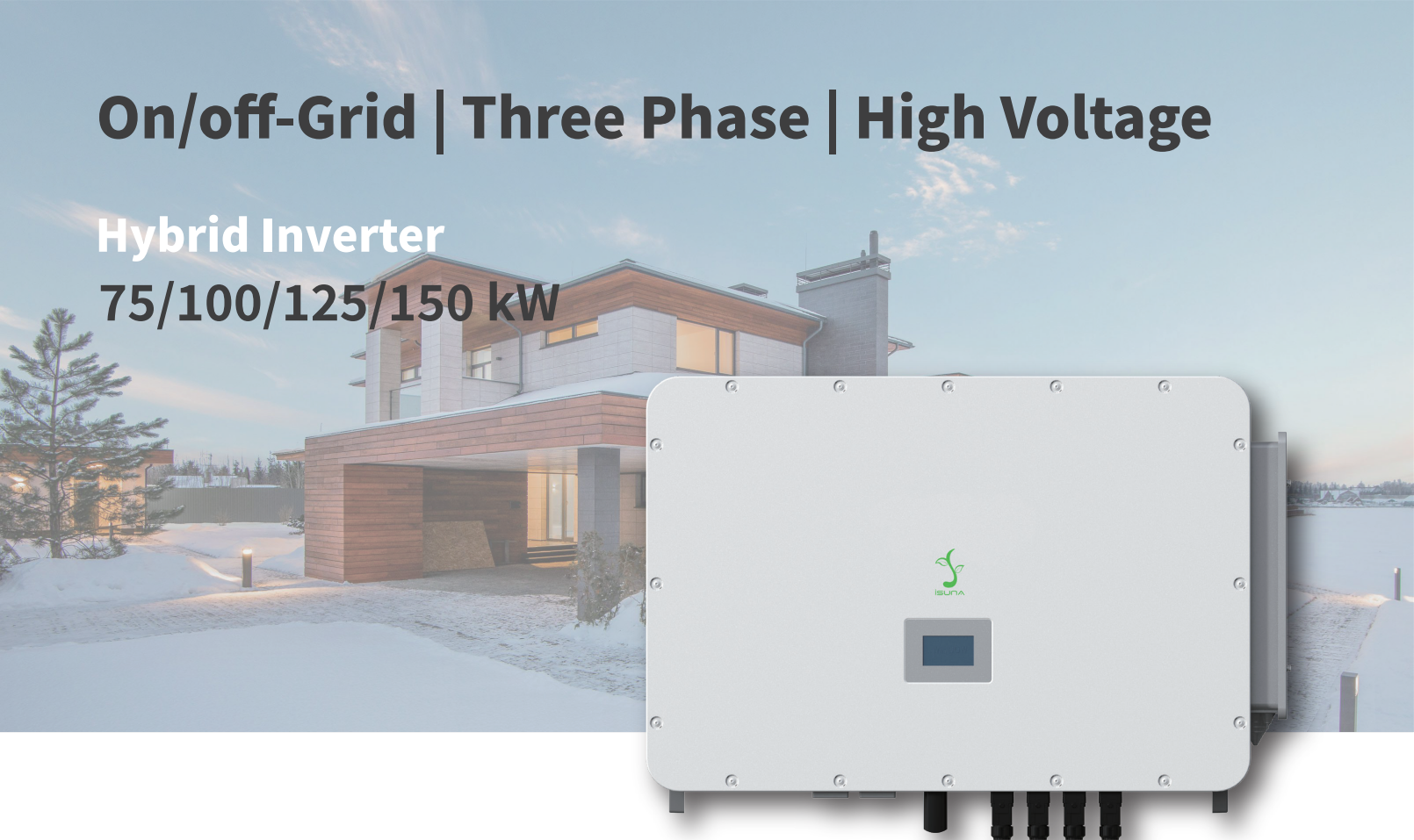


On/off-Grid | Three Phase | High Voltage

Hybrid Inverter 75/100/125/150 kW



Product Features

Wide PV Input

- 200%PV input power
- Supports 10 MPPT channels
- 48A PV input current

Strong Grid Input

- 270A Grid input current
- Supports simultaneous load power supply & battery charging

High Efficiency

- Max. efficiency 98.8%
- SiC Technology

Dedicated Genset Port

- Auto start-stop for generator
- 270A Max generator input current

Strong Overload

- 133% 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 branches compatible with new & used batteries
- 300A Battery Current

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

SINEXCEL

isuna

Model Name	Isuna M75K-TH-S	Isuna M100K-TH-S	Isuna M125K-TH-S	Isuna M150K-TH-S
	Off-grid Parameter			
Rated Output Power	75kW	100kW	125kW	150kW
Max. Output Power	82.5kVA	110kVA	137.5kVA	166kVA
Rated Output Current	114A@220V	152A@220V	189A@220V	227A@220V
Max. Output Current	125A@220V	167A@220V	208A@220V	250A@220V
Peak Output Current	228A(100ms)	302A(100ms)	302A(100ms)	302A(100ms)
Rated Voltage	3/N/PE, 220/380V; 230/400V; 277/480V			
Rated Frequency	50/60Hz			
Output Power Factor	>0.99 (-0.8— +0.8)			
THDu	<2%			
	On-grid Parameter			
Rated Power	75kW	100kW	125kW	150kW
Max. Output Power	82.5kVA	110kVA	137.5kVA	166kVA
Rated Output Current	114A@220V	152A@220V	189A@220V	227A@220V
Max. Output Current	125A@220V	167A@220V	208A@220V	250A@220V
Rated Voltage	3/N/PE, 220/380V; 230/400V; 277/480V			
Max. Input Current	270A			
Rated Frequency	50/60Hz			
THDi	<2%			
	PV Parameter			
Max. Installed Power	150kWp	200kWp	250kWp	300kWp
Max. Power	150kWp	200kWp	250kWp	250kWp
Max. power per MPPT	15kWp	20kWp	25kWp	25kWp
Startup Voltage	180V			
Max. Input Voltage	1100V			
MPPT voltage range	150-1000V			
Number of MPPTs / Max. Number of Strings	10/20			
Rated Voltage	625V			
Maximum input current	10*48A			
Short-circuit current	10*63A(TBD)			
	Battery Parameter			
Battery Type	Lithium-ion / Lead-acid / Sodium			
Battery Channels	2			
Voltage	500-950V			
Rated Power	75kW	100kW	125kW	150kW
Max. Current	150A*2			
COMM Interface	CAN*2/RS485*2			
	Generator Parameter			
Max. Input Current	270A			
Max. Input Power	186.3kVA@230V			
Rated Voltage	3/N/PE, 220/380V; 230/400V; 277/480V			
Rated Frequency	50/60Hz			
	Efficiency			
Max. Efficiency	98.8%			
European/CEC Efficiency	98%			
	General Data			
Dimensions(W*H*D)	1244*848*385mm			
Weight	180kg(TBD)			
Topology	Non-isolated			
Operating Temperature	-25°C ~ +60°C			
Operating Humidity	0-100%			
Cooling Type	Intelligent Air Cooling			
IP	IP66			
Max. Operating Altitude	4000m			
COMM Interface	RS485*1, Ethernet/Wi-Fi/4G/Bluetooth, DO*2, DI*2, AI*1, AO*1, DRM*1			
HMI	LCD/WIFI/LAN/4G			
	Certification			
CE-EMC	IEC 62920, IEC 62477-1,EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4			
CE-LVD	IEC 62109-1, IEC 62109-2, EN 62109-1, EN 62109-2			
Grid	CEI-016, EN50549, VDE-AR-N 4105(2026)			