



CASA-G Inverter 100/125/150 kW Three Phase | High Voltage Hybrid | On/off-grid

CASA-G Hybrid Inverter delivers reliable, uninterrupted power around the clock. Equipped with advanced feed-in functionality, it helps lower electricity costs while maximizing energy efficiency. With selectable high-power charging current, a wide input voltage range, and pure sine wave output, it provides safe, stable power for household appliances and sensitive electronic equipment.

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

SPECIFICATIONS

Model Name	CASA-G-100K	CASA-G-125K	CASA-G-150K
	Off-grid Parameter		
Rated Output Power	100 kW	125 kW	150 kW
Max. Output Power	110 kVA	137.5 kVA	166 kVA
Rated Output Current	152 A @220V	189 A @220V	227 A @220V
Max. Output Current	167 A @220V	208 A @220V	250 A @220V
Peak Output Current	302 A (100ms)	302 A (100ms)	302 A (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	100 kW	125 kW	150 kW
Max. Output Power	110 kVA	137.5 kVA	166 kVA
Rated Output Current	152 A @220V	189 A @220V	227 A @220V
Max. Output Current	167 A @220V	208 A @220V	250 A @220V
Rated Voltage	3/N/PE, 220/380V ; 230/400V ; 277/480V		
Max. Input Current	270 A		
Rated Frequency	50 / 60Hz		
THDi	< 2%		
	PV Parameter		
Max. Installed Power	200 kWp	250 kWp	300 kWp
Max. Power	200 kWp	250 kWp	250 kWp
Max. power per MPPT	20 kWp	25 kWp	25 kWp
Startup Voltage	180 V		
Max. Input Voltage	1100 V		
MPPT voltage range	150 - 1000 V		
Number of MPPTs / Max. Number of Strings	10 / 20		
Rated Voltage	625 V		
Maximum input current	10 * 48 A		
Short-circuit current	10*63 A (TBD)		
	Battery Parameter		
Battery Type	Lithium-ion / Lead-acid / Sodium		
Battery Channels	2		
Voltage	500 - 950 V		
Rated Power	100 kW	125 kW	150 kW
Max. Current	150 A*2		
COMM Interface	CAN*2 / RS485*2		
	Generator Parameter		
Max. Input Current	270 A		
Max. Input Power	186.3 kVA @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*385 mm		
Weight	180 kg (TBD)		
Topology	Non-isolated		
Operating Temperature	-25 °C ~ +60 °C		
Operating Humidity	0-100 %		
Cooling Type	Intelligent Air Cooling		
IP	IP66		
Max. Operating Altitude	4000 m		
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)		