



CASA-T-G4 Inverter 5/6/8 kW Three Phase | Low Voltage Hybrid | On/off-grid

The CASA-T-G4 hybrid inverter delivers reliable, uninterrupted 24/7 power you can depend on. With advanced feed-in capability, it helps reduce your electricity costs while maximizing energy efficiency. Featuring selectable high-power charging current, a wide input voltage range, and pure, stable output, it is the perfect solution to safely power your home appliances and sensitive electronic devices.

PRODUCT FEATURES



200-400% Grid Input Power
18.2A Grid Input Current



Support 185-276V AC
Voltage Range, Support
45-65Hz Frequency



150-200% PV Input Power
20A PV Current, 2 MPPTs



200-400%-10s Overload



Smart Fan, Ultra Silence



6 Units in Parallel
(Off-grid Mode)



<10ms On/Off-grid
Switchover



>200% Generator Input Power
Executive Generator Port
Smart Monitoring



IP65, Smaller Size
Easier for Installation and
Price-wise in Shipping

SPECIFICATIONS

Model Name	CASA-T-5K-G4	CASA-T-6K-G4	CASA-T-8K-G4
Off-grid Output			
Rated Output Power	5 kW	6 kW	8 kW
Max. Apparent Power	5.5 kVA	6.6 kVA	8.8 kVA
Max. Output Current	7.6 A, 7.2 A	9.1 A, 8.7 A	12.1 A, 11.6 A
Peak Power & Duration	14 kW-10s*		
Rated Voltage	3/N/PE, 220/380Vac, 230/400Vac		
Frequency	50/60Hz		
THDu	<3%		
Switching Time	<10 ms		
GEN Max. Current	18.2 A		
GEN Voltage Range	185-276V (P2N)		
On-grid Parameter			
Rated Output Power	5 kW	6 kW	8 kW
Max. Output Power	5.5 kVA	6.6 kVA	8.8 kVA
Rated Output Current	7.6 A, 7.2 A	9.1 A, 8.7 A	12.1 A, 11.6 A
Max. Grid Input Current	15.2 A	18.2 A	21.2 A
Rated Grid Voltage	3/N/PE, 220/380Vac, 230/400Vac		
Grid Voltage range	185-276V (P2N)		
Grid Frequency	50/60±5Hz		
Thdi	<3%		
PV Input			
Max. DC Input Power	10 kWp	12 kWp	14 kWp
Starting Voltage	140 V		
Max.Input Voltage	800 V		
MPPT Voltage Range	130 V - 800 V		
MPPT Numbers	2		
Strings Per MPPT	1 / 1		
Max. DC Input Current	20 A / 20 A		
Max. Short-circuit Current	24 A / 24 A		
Battery Parameter			
Battery Type	Lithium-ion / Lead-acid / Sodium-ion		
Number of Battery Input	1		
Battery Voltage Range	30-60V		
Max. Chg & Dchg Current	125 A		
Efficiency			
Max. Efficiency	97.80%		
European Efficiency	97.30%		
Max. Battery Chg & Dchg Efficiency	95.00%		
General Data			
Size(W*H*D)	380*500*180 mm		
Weight	25kg		
Noise	<45dB (A)		
Operating Temperature	-25°C~ +60°C (>45°C Derating)		
Operating Altitude	4000 m (>3000 m Derating)		
Battery Topology	Isolation		
Cooling Method	Intelligent Air Cooling		
Ingress Protection Grade	IP65		
Communication Port	RS485*1,Wi-Fi/4G dongle*1,DO*2,DRM*1		
Protection	DC Switch ; Reverse Polarity Protection ; AC Overvoltage/Overcurrent/Short Circuit Protection; Anti-islanding Protection ; Residual Current Monitoring ; Insulation Resistance Detection; Surge Protection: DC Type II / AC Type III ; Battery Reverse Protection		
Certification			
Safety Regulation	IEC62109-1&2, IEC62040-1		
EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4 EN 61000-4-16, EN 61000-4-18, EN 61000-4-29		

* Overload output is dependent on sufficient PV and battery energy