



CASA-T-G4 Inverter 10/12 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



SiC Technology,
Max. Efficiency 98.2%



2 Independent Battery
Ports for Mixture Use of
Old & New Battery



200-480% Grid Input Power,
Max.24kW, Supplying to
Loads & Charging Battery
in Parallel



Support 185-276V AC
Voltage Range



150%-200% PV Input Power,
3 MPPTs, PV Input Current 20A,
Higher Compatibility with
PV Panel



166-400% Overload



6 Units in Parallel
(Off-grid Mode)



Executive Generator Port,
Smart Monitoring
Max.Generator Input
Current 80A



165mm Ultra-thin,
IP65

SPECIFICATIONS

Model Name	CASA-T-10K-G4	CASA-T-12K-G4
Off-grid Output		
Rated Output Power	10 kW	12 kW
Max. Apparent Power	11 kVA	13.2 kVA
Peak Power & Duration	20 kVA - (10s)*	
Max. Output Current	16A	20A
Rated Output Voltage	L/N/PE, 220V/230V/240V	
Switching Time	<10 ms	
GEN Max. Current	36.4 A	
GEN Voltage Range	185-276V(P2N)	
On-grid Parameter		
Rated Output Power	10 kW	12 kW
Max. Output Power	11 kVA	13.2 kVA
Max. Output Current	16A	20A
Max. Input Power	24 kVA	
Rated Voltage	3 / N / PE, 220 / 380 Vac, 230 / 400 Vac	
Grid Voltage range	185 - 276V (P2N)	
Grid Frequency	50 / 60±5Hz	
PV Input		
Max. Input Power	18 kW	
Max. Input Voltage	800 V	
Number of MPPT	3	
Max. Input String Per MPPT	1 / 1 / 1	
MPPT Voltage Range	130 - 800V	
Starting Voltage	140V	
Max. Input Current	20A / 20A / 20A	
Short-Circuit Current	24A / 24A / 24A	
Battery Parameter		
Battery Type	Lithium-ion / Lead-acid / Sodium-ion	
Number of Battery Input	2	
Battery Voltage Range	30 - 60V	
Battery Charging/Discharging Current	125 A * 2	
Efficiency		
Max. Efficiency	98.20%	
European Efficiency	97.70%	
Max. Battery Charging/Discharging Efficiency	95.00%	
General Data		
Size(W*H*D)	465 mm * 665 mm * 175 mm	
Weight	36 kg	
Noise	<45 dB (A)	
Operating Temperature	-25°C~ +60°C (>45°C Derating)	
Operating Altitude	4000 m (>3000 m Derating)	
Cooling Method	Intelligent Air Cooling	
Ingress Protection Grade	IP65	
Topology	Isolation	
Communication Port	LED/WIFI/4G/Bluetooth/RS485	
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; AFCI(Optional); PID(Optional)	
Certification		
CE-LVD	IEC62109-1&2, IEC62040-1	
CE-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	
Grid	VDE-AR-N 4105;VDE 0126-1-1 EN 50549-1;G98,G100; CEI 0-21;AS/NZS4777.2 NRS 097-2-1	

* Overload output is dependent on sufficient PV and battery energy