



CASA-S-G4 Inverter 8/10/12 kW Single Phase | Low Voltage Hybrid | On/off-grid

The CASA-S-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



150-340% Grid Input Power,
Max. 60A Grid Input Current
Supplying to Loads & Charging
Battery in Parallel



Support 185-276V
AC Voltage Range
166-400% Overload



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



6 Units in Parallel



Smart Fan, Ultra Silence
Fan Running since 50%
Rated Power Output



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



165mm Ultra-thin, IP65

SPECIFICATIONS

Model Name	CASA-S-8K-G4	CASA-S-10K-G4	CASA-S-12K-G4
Off-grid Output			
Rated Output Power	8 kW	10 kW	12 kW
Max. Apparent Power	8.8 kVA	11 kVA	12 kVA
Peak Power & Duration	20 kVA (10s)*		
Max. Output Current	40 A	50 A	60 A
Rated Output Voltage	L/N/PE, 220V/230V/240V		
Switching Time	<10ms		
GEN Max. Current	82 A	82 A	82 A
GEN Voltage Range	185-276V(P2N)		
On-grid Parameter			
Rated Output Power	8 kW	10 kW	12 kW
Max. Output Power	8.8 kVA	11 kVA	13.2 kVA
Max. Output Current	40 A	50 A	60 A
Max. Input Power	18 kW		
Grid Frequency	50 / 60±5Hz		
PV Input			
Max. Input Power	18000 Wp	18000 Wp	18000 Wp
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 (optional)		
Number of Battery Input	2		
Battery Voltage Range	30-60V		
Battery Charging/Discharging Current	125A*2		
Efficiency			
Max. Efficiency	98.20%		
European Efficiency	97.70%		
Max. Battery Charging/Discharging Efficiency	95.00%		
General Data			
Size(W*H*D)	465mm*665mm*165mm		
Weight	36kg		
Noise	<45dB		
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	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; AFCI(Optional); PID(Optional)		
Certification			
CE-LVD	IEC62109-1&2, IEC62477-1		
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