STRONG ENERGY



Three Phase Hybrid Inverter

CVGxST (8kW/10kW)

Features

Excellent Power Performance

- Max. 15000Wp Oversized PV Input Power.
- Maximum efficiency 98.4%, battery efficiency 98.0%.
- Large MPPT current, compatible with high-power solar panels.
- Continuously 10% output overload, 150% unbalance output
- Backup transfering time typically less than 10ms

Full Protections

- Class I protection Category
- Overvoltage/Undervoltage Protection
- Overcurrent/Shotcircuit Protection, DC Reverse, Leakage Current Protection
- Anti-islanding, Surge Arrester, PV Insulation Detection, AFCI, RSD

Environmental Adaptive

- IP65 protection for indoor and outdoor
- Operating temperature -25℃ ~ 60℃
- Ultal quiet with Natural Cooling

Smart Management

- Multiple working modes built-in
- Quick Commission through App
- Realtime management anywhere
- Easy maintanance from Cloud Platform

Quallity Guarrenteed

- 5 Year Warranty (10 year optional)

STRONG ENERGY

Three Phase Hybrid Inverter

PRODUCT DATASHEET (8kW / 10kW)

Inverter

	MODEL	CVG4ST-8kW3P	CVGJST-10kW3P
On-Grid AC	Nominal AC Output Power	8,000 W	10,000 W
	Max. AC Apparent Power	8,800 VA	11,000 VA
	Max. Single Phase Power	4,000 W	5,000 W
	Max. AC Output Current	3 * 13.3 A	3 * 16.7 A
	Nominal Grid Voltage	380V / 400V / 415V, 3L+N+PE	
	Grid Voltage Range	260V - 520V (Adjustable)	
	Nominal Output Frequency	50Hz / 60Hz	
Off-Grid AC	Nominal AC Output Power (Off-grid)	8,000 W	10,000 W
	Max. Single Phase Power	4,000 W	5,000 W
	Nominal Output Current (Off-grid)	3 * 12.2 A	3 * 15.2 A
	Nominal Output Voltage (Off-grid)	380V / 400V / 415V, 3L+N+PE	
	Nominal Output Frequency (Off-grid)	50Hz / 60Hz	
	Transfer Time	< 10ms (tipical)	
PV Input	Max. PV Input Power	15,000 Wp	
	MPPT Voltage Range	160 ~ 950 V	
	Max. PV Voltage	1,000 V	
	Start-up Voltage	150 V	
	No. of MPPT	2 (1/2)	
	Max. PV Input Current per MPPT	20A / 30A	
	Max. Short Circuit Current per MPPT	30A / 40A	
Battery	Battery Type	LFP (Lithium-ion)	
	Battery Voltage Range	150V-600V	
	Max. Charge/Discharge Current	50A / 50A	
	Max. Charge/Discharge Power	15,000W / 9,100W	15,000W / 11,300W
General	Efficiency	Max. (PV to AC): 98.4% Euro. (PV to AC): 97.9% Max. (BAT to AC): 98.0%	
	Protection Category	Class I	
	Protections	Anti-islanding, AC Over Voltage/Current Protection, AC Short-circuit, DC Reverse, Leakage Current, PV Insulation Detection, SPD DC Type II, AC Type II, AFCI, RSD	
	Display & Management	LCD & Wireless & APP & Cloud	
	Cooling Method	Natural Cooling	
	Ingress Protection	IP65	
	Operating Temperature	-25℃ ~ 60℃ (>45℃ derating)	
	Operating Humidity	0% ~ 100%	
	Dimension (W*H*D)	530mm*550mm*212mm	
	Weight	32kg	
	Certifications	IEC62109, EN50549-1, VDE-4105, AS 4777.2, NRS-097, GB98/ GB99, EMC, RoHs	