

Single Phase Hybrid Inverter

ZGE-P-S-C



Features

- »» Max efficiency 98.0%, CEC efficiency 94.5%
- »» Max. PV Power 15KW
- »» String current 30A, compatible with high power modules
- »» Advanced parallel, up to 9Pcs
- »» Split phase out available for 100% back up power
- »» Configure BMS management system to ensure high battery life
- »» Compatible with lead-acid batteries and lithium battery energy storage systems
- »» Remote configuration and upgrade

Model	ZGE-P-S-C8	ZGE-P-S-C10
Efficiency		
Max. Efficiency (PV To AC)		98.0%
Max. Efficiency (Bat To AC)		95.0%
Input(PV)		
Max. PV Power	12000W	15000W
Max. Input Voltage		600V
Max. Input Current (PV-A/PV-B)		30A/22A/22A
Max short current (input A/input B) (A)		40A/30A/30A
Start operating voltage (V)		90V
MPPT Operating Voltage Range		70V-540V
No.of MPPT trackers		3
String per MPP tracker		2
Input(Bat)		
Compatible battery type		Lithium-ion/Lead-acid
Nominal battery voltage		48V
Battery voltage range		40V-64V
Max. charge/discharge current	210A/180A	210A/210A
Max. charge/discharge power	10000W/8000W	10000W/10000W
Lithium battery charge curve		Self-adaption to BMS
Input (Grid)		
Nominal AC input power	12000W	15000W
Max. AC input current	52.5A	65.3A
Rated AC voltage		230V (Single phase)
Output (Grid)		
Nominal AC output power	8000W	10000W
Max. AC output apparent power	8800VA	11000VA
Max.AC output power (PF=1)	8800W	11000W
Max. AC output current	40A	50A
Rated AC voltage		230V, L+N+PE
Rated grid frequency		50Hz / 60Hz
Grid connection		Single phase
Power factor		> 0.99 @rated power (adjustable 0.8 LD - 0.8 LG)
THDI		<3% (Rated Power)
Output (BackUp)		
Nominal output power	8000W	10000W
Nominal output voltage		230V, L+N+PE
Nominal output frequency		50/60Hz
Nominal output current	34.8A	43.5A
Maximum power(1s)	16000VA	20000VA
Nominal output voltage		230V, L+N+PE
Nominal output frequency		50Hz / 60Hz
Transfer time		10ms (typ) / 20ms (max)
THDV		<3% @100% R Load
Protection		
Protection category		Class I
DC switch		Available
Anti-islanding protection		Available
AC overcurrent protection		Available
AC short circuit protection		Available
DC reverse connection		Available
Surge Arrester		DC Type II, AC Type II
Insulation detection		Available
Leakage current protection		Available
Diesel Generator		Extra function pending
PV overvoltage category		II
AFCI		Optional
RSD		Optional
General		
Max. operation altitude		4000m
Noise emission		<45dB
Ingress protection degree		IP65
Operating temperature range		-25~60°C (>45°C derating)
Relative humidity		0~100%
Cooling concept		Fan Cooling
Mounting		Wall bracket
Dimensions (W*H*D)		420mm*800mm*240mm
Weight (kg)		37Kg
PV connection		Terminals
BAT connection		DC special connector
HMI & COM		
Display		LED+APP
Communication interface		RS485/CAN (for BMS), DRM/RS485 (for Meter), RS485, USB, Optional: WiFi/GPRS/LAN
Certification		
Grid		NRS 0-97 / IEC61727 / IEC62116
Safety		IEC62109
EMC		EN 61000
Warranty		5 Years /10 Years (Optional)

Remarks: • The range of output voltage and frequency may vary depending upon different grid codes.
• Specifications are subject to change without advance notice.