

Single Phase On Grid Inverter

CE-1P7K1G
CE-1P8K1G
CE-1P10K1G



Product Features

- IP65 waterproof and dustproof, C5 anti-corrosion
- Compatible with wide power grid voltage and high harmonic power grid environment
- DC /AC SPD optional, AFCI detection optional
- Remote configuration and upgrade
- Support export power control

Technical Data

Model	CE -1P7K1G	CE -1P8K1G	CE -1P10K1G
Input (PV)			
Max. Input Voltage (V)		550	
Start Input Voltage (V)		90	
MPPT Voltage Range (V)		70-540	
Max. Input Current (A)	13+13		26+13
Max.Short Circuit Current(A)	15+15		30+15
Number of MPPTs		2	
Max. Input String Number	1+1		2+1
Output(Grid)			
Rated AC Active Power (W)	7,000	8,000	10,000
Max. AC Apparent Power (VA)	7,700	8,800	11,000
Max. AC Active Power (W)	7,700	8,800	11,000
Rated AC Voltage (V)		220/230, L+N+PE	
Max. AC Output Current (A)	35	40	45.5
Rated Grid Frequency (Hz)		50 / 60	
Grid Frequency Range (Hz)		45~55 or 55~65 (Adjustable)	
Power Factor		>0.99 Rated power (Adjustable 0.8 Leading -0.8 Lagging)	
THDI		<3% (Rated Power)	
DC Current Injection		<0.5%In	
Efficiency			
Max. Efficiency	98.2%	98.2%	98.2%
European Efficiency	97.4%	97.5%	97.6%
Protection			
DC Switch		Support	
Anti-islanding Protection		Support	
AC Overcurrent Protection		Support	
AC Short Circuit Protection		Support	
DC Reverse Connection		Support	
Surge Arrester		DC Type III (Optional) / AC Type II	
Insulation Detection		Support	
Leakage Current Protection		Support	
General			
Topology		Transformerless	
IP Rating		IP65	
Night Self Consumption (W)		<1	
Cooling		Natural cooling	
Operating Temperature Range (°C)		-25 -60	
Relative Humidity Range		0-100%	
Max. Operating Altitude (m)		4000	
Noise (dB)		30 (Typical)	
Dimensions (mm)		400*450*170 (W*H*D)	
Weight (kg)		16	
Display		Wireless & APP+LED, LCD (Optional)	
Communication		WiFi (Optional) / GPRS (Optional) / LAN (Optional)	
Certification			
Safety		IEC62109-1, IEC62109-2	
Grid Code		IEC 61727/62116, ABNT 16149/16150, IEEE1547, AS 4777	
Warranty		5 Years	