

Single Phase On Grid Inverter



CE-1P3/4/4.6/5/6KEG

Product Features

- High PV input current, up to 18A
- Low PV start-up voltage, generate power earlier
- Support Bluetooth communication, easier to set and monitor inverter parameters
- High converter efficiency
- IP66 protection degree
- ARC fault detection optional

Technical Data

Model	CE-1P3KEG	CE-1P4KEG	CE-1P4.6KEG	CE-1P5KEG	CE-1P6KEG
Input (PV)					
Max. Input Voltage (V)	600				
Start-up Input Voltage (V)	40				
MPPT Voltage Range (V)	80-580				
Max. Input Current (A)	18+18				
Max. Short Circuit Current (A)	22+22				
Number of MPPTs	2				
String Number per MPPT	1+1				
Output (Grid)					
Rated Output Power (kW)	3	4	4.6	5	6
Max. Output Apparent Power (kVA)	3	4	4.6	5	6
Max. Output Active Power (kW)	3	4	4.6	5	6
Rated AC Voltage (V)	220/230/240, L+N+PE				
AC Voltage Range (V)	180-300 (adjustable)				
Max. Output Current (A)	13	17.4	20	21.7	26
Rated Grid Frequency (Hz)	50/60				
Grid Frequency Range (Hz)	45-55/55-65				
Power Factor	>0.99, 0.8 leading-0.8 lagging				
THDi	<3%				
DC Current Injection	<0.5%In				
Efficiency					
Max. Efficiency	98.6%				
European Efficiency	98.1%				
Protection					
Ground Fault Monitoring	Support				
Output Over Voltage Protection	Support				
Anti-islanding Protection	Support				
Intergrated AFCI	Optional				
DC Reverse Protection	Support				
Surge Arrester	DC Type II/ AC Type III				
General					
Topology	Transformerless				
Ingress Protection	IP66				
Cooling	Natural cooling				
Operating Temperature Range (°C)	-25~+60, >45 derating				
Relative Humidity Range	0-100% (no condensing)				
Max. Operating Altitude (m)	3,000				
Noise Emission (dB)	20				
Dimension (mm)	350Wx340Hx156D				
Weight (kg)	10				
Display	Wireless, APP, LCD				
Communication	WiFi (2.4G), 4G, GPRS, Bluetooth, RS485				
Certification					
Safety Standard	IEC62109-1/-2				
EMC Standard	IEC61000-6-1/-2/-3				
Grid Code	AS4777.2, EN50549-1, G98, G99, ABNT NBR16149, ABNT NBR16150, VDE4105, CE10-21, RD1699				
Warranty	5 Years				