

Single Phase On Grid Inverter

CE-1P3/3.6/4/4.6/5/6KEG



Product Features

- High PV string input current up to 18A
- Low PV start-up voltage, generate power earlier
- Support bluetooth communication, easier inverter parameter setting and monitoring
- IP66 protection degree
- High converter efficiency
- AFCI optional

Technical Data

Model	CE-1P3KEG	CE-1P3.6KEG	CE-1P4KEG	CE-1P4.6KEG	CE-1P5KEG	CE-1P6KEG
Input (PV)						
Recommended Max. PV Power (kWp)	4.5	5.4	6	6.9	7.5	9
Max. Input Voltage (V)	600					
Start-up Input Voltage (V)	40					
MPPT Voltage Range (V)	80-580					
Number of MPPTs	2					
String Number per MPPT	1					
Max. MPPT Input Current (A)	18					
Max. MPPT Short Circuit Current (A)	22					
Output (Grid)						
Rated Output Power (kW)	3	3.6	4	4.6	5	6
Max. Output Apparent Power (kVA)	3	3.6	4	4.6	5	6
Max. Output Active Power (kW)	3	3.6	4	4.6	5	6
Rated AC Voltage (V)	220/230/240, L+N+PE					
AC Voltage Range (V)	180-300					
Max. Output Current (A)	13.0	15.7	17.4	20.0	21.7	26.0
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%I _n					
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					
Protection Degree	IP66					
Cooling	Natural Convection					
Operating Temperature Range(°C)	-25~+60 (>45 derating)					
Relative Humidity Range	0-100% (no condensing)					
Max. Operating Altitude (m)	3000					
Noise Emission (dB)	<=20 dB(A)					
Dimension (mm)	341W×350H×159D					
Weight (kg)	10					
DC Connector	MC4/D4					
Communication	WiFi (2.4G), 4G, GPRS, Bluetooth, RS485					
Certification						
Safety Standard	IEC-62109-1/-2					
EMC Standard	IEC-61000-6-1/-2/-3					
Grid Code	AS/NZS4777:2020, EN50549-10:2022, G98:2021, G99:2021, NC RFG, ABNT NBR 16150, VDE-AR-N 4105, CEI0-21, CEI0-16, RD1699, NA/EEA, C10:2019, PPDS:2021, Tor+R25, IEC61683, IEC61727&62161					