

Three Phase On Grid Inverter

CE-3P8/10/12/15/18/20KEG



Product Features

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

Technical Data

Model	CE-3P8KEG	CE-3P10KEG	CE-3P12KEG	CE-3P15KEG	CE-3P18KEG	CE-3P20KEG
Input (PV)						
Recommended Max. PV Power (kWp)	12	15	18	22.5	27	30
Max. Input Voltage (V)	1,100					
Start-up Input Voltage (V)	50					
MPPT Voltage Range (V)	100~1,080					
Number of MPPTs	3					
String Number per MPPT	1/1/1	1/1/2				
Max. MPPT Input Current (A)	18/18/18	18/18/36				
Max. MPPT Short Circuit Current (A)	22/22/22	22/22/44				
Output(Grid)						
Rated Output Power (kW)	8	10	12	15	18	20
Max. Output Apparent Power (kVA)	8	10	12	15	18	20
Max. Output Active Power (kW)	8	10	12	15	18	20
Rated AC Voltage (V)	220/380, 230/400, 240/415, 3L+N+PE					
AC Voltage Range (V)	312~520					
Max. Output Current (A)	11.6	14.5	17.4	21.7	26.1	29.0
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%In					
Efficiency						
Max. Efficiency	98.8%					
European Efficiency	98.3%					
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	Smart Fan & Natural convection					
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 dB(A)		<=40 dB(A)			
Dimension (mm)	462W×453H×249D					
Weight (kg)	15			15.2		
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					