

# 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 earlier
- 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
<b>Input (PV)</b>						
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		
<b>Output(Grid)</b>						
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					
<b>Efficiency</b>						
Max. Efficiency	98.8%					
European Efficiency	98.3%					
<b>Protection</b>						
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					
<b>General</b>						
Topology	Transformerless					
Ingress Protection	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)	411W×401H×166D					
Weight (kg)	15			15.2		
DC Connector	MC4/D4					
Communication	WiFi (2.4G), 4G, GPRS, Bluetooth, RS485					
<b>Certification</b>						
Safety Standard	IEC 62109-1/-2, IEC 62477-1/-2					
EMC Standard	IEC 61000-1/-2/-3/-4					
Grid Code	AS4777.2, EN50549-1, G98, G99, ABNT NBRI6149, ABNT NBRI6150, VDE4105, CEI0-21, RD1699					