

Single Phase On Grid Inverter

CE-IP7/8/9/10KEG



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-IP7KEG	CE-IP8KEG	CE-IP9KEG	CE-IP10KEG
Input (PV)				
Recommended Max. PV Power (kWp)	10.5	12	13.5	15
Max. Input Voltage (V)		600		
Start-up Input Voltage (V)		40		
MPPT Voltage Range (V)		80~580		
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)	7	8	9	10
Max. Output Apparent Power (kVA)	7	8	9	10
Max. Output Active Power (kW)	7	8	9	10
Rated AC Voltage (V)		220/230/240, L+N+PE		
AC Voltage Range (V)		180~300		
Max. Output Current (A)	30.4	34.8	39.1	43.5
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		<0.5In		
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	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)		
Dimension (mm)		411W×401H×162D		
Weight (kg)		15		
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			