

Datasheet

Model:

EP-10-30KAT-5G



Loại Grid-tied PV Inverter

Technical Data	6K	8K	10K	12K			
DC Input Data							
Max. DC input power (KW)	7.8	10.4	13	15.6			
Max. DC input	1100						
MPPT voltage range(VDC)	180~1000						
Max. DC current(A)	20A/20A						
Recommended working voltage(VDC)	650						
MPPT number	2						
Max. input strings per MPP tracker	1/1						
AC Output Data							
Rated output power (KW)	6	8	10	12			
Max. AC power (KVA)	6.6	8.8	11	13.2			
Max. output current(A)	10	13.3	16.7	20			
Rated power grid voltage(Vac)	400						
Power grid voltage range(Vac)	310~480						
Rated power grid frequency	50Hz/60Hz						
Grid frequency range	45~55Hz/55~65Hz						
THD	<2%(Under the rated power)						
Power factor	>0.99(Under rated power)/Adjustable range 0.8(Leading)~0.8 (Lagging)						
DC component	<0.5%(Under rated power)						
System Data							
Max. Efficiency(%)	98.5%	98.5%	98.6%	98.7%			
Euro. efficiency(%)	97.9%	98%	98.2%	98.1%			
Humidity	0~95%, No condensation						
Cooling	Fan						
Allowed ambient temperature range	-25°C~+60°C						
Consumption during night	<1W						
Noise	<40dB(When the fan starts <50dB						
Max. altitude	4000m(It needs to be derated when the altitude exceeds 2000m						
Mechanical Data							
Size (width x height x depth)	427mm×450mm×204mm						
Weight	15kg						
Protection class	IIP66 (outdoor)						
Display & Communication							
Communication interface	RS485/WIFI(optional)/GPRS(optional)						
Human-machine interface	2 LED indicators, 2 lines of LCD display , acoustic sensing switch						
Technical Data	15K	17K	20K	23K	25K	28K	30K

DC Input Data							
Max. DC input power (KW)	19.5	22.1	26	28.6	29.9	32.5	36.4
Max. DC input voltage(VDC)	1100						
MPPT voltage range(VDC)	180~1000						
Max. DC current(A)	20A/30A	30A/30A		40A/30A		40A/40A	
Recommended working voltage(VDC)	650						
MPPT number	2						
Max. input strings per MPP tracker	1/2		2/2				
AC Output Data							
Rated output power (KW)	15	17	20	23	25	28	30
Max. AC power (KVA)	16.5	18.7	22	25.3	27.3	30.8	33
Rated output current(A)	24	28.3	32	36.5	41	45	48
Rated power grid voltage(Vac)	400						
Power grid voltage range(Vac)	310~480						
Rated power grid frequency	50Hz/60H						
Grid frequency range	45~55Hz/55~65Hz						
THD	<2%(Under the rated power)						
Power factor	>0.99(Under rated power)/Adjustable range 0.8(Leading)~0.8 (Lagging)						
DC component	<0.5%(Under rated power)						
System Data							
Max. Efficiency(%)	98.7%	98.7%	98.7%	98.7%	98.8%	98.8%	98.8%
Euro. efficiency(%)	97.1%	98.1%	98.2%	98.2%	98.2%	98.2%	98.2%
Humidity	0~95%, No condensation						
Cooling	Fan						
Allowed ambient temperature range	-25°C~+60°C						
Consumption during night	<1W						
Noise	<40dB(When the fan starts <50dB)						
Max. altitude	4000m(It needs to be derated when the altitude exceeds 2000m)						
Mechanical Data							
Size (width x height x depth)	427mm×450mm×204mm						
Weight	18kg						
Protection class	IP66 (outdoor)						
Display & Communication							
Communication interface	RS485/WIFI(optional)/GPRS(optional)						
Human-machine interface	2 LED indicators, 2 lines of LCD display , acoustic sensing switch						