

# Datasheet

Model:

EP-80-125KAT-5G



# Loại Grid-tied PV Inverter

Technical Data	70K	75K	80K	90K	100K	110K
<b>DC Input Data</b>						
Max. DC input power (KW)	91	97.5	104	117	130	143
Max. DC input voltage(VDC)	1100					
Max. DC input current(A)	40/40/20/40/40/20			40/40/20/20/40/40/20/20		
MPPT voltage range(VDC)	200~1000					
Recommended working voltage(VDC)	600					
MPPT number	6			8		
Max. input strings per MPP tracker	2					
<b>AC Output Data</b>						
Rated output power (KW)	70	75	80	90	100	110
Max. AC power (KVA)	77	82.5	88	99	110	121
Max. output current(A)	112	121	128	144	160	176
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 range0.8(Leading)~0.8 (Lagging)					
DC component	<0.5%(Under rated power)					
<b>System Data</b>						
Max. Efficiency(%)	98.6			98.7		
Euro. efficiency(%)	98.1					98.2
Humidity	0~100%, No condensation					
Cooling	Fan					
Allowed ambient temperature	-25°C~+60°C					

range	
Consumption during night	<1W
Max. altitude	4000m(It needs to be derated when the altitude exceeds 2000m)
<b>Mechanical Data</b>	
Size (width x height x depth)	1160mm×611mm×286mm
Weight	92kg
Protection class	IP66 (outdoor)
<b>Display &amp; Communication</b>	
Communication interface	RS485/WIFI(optional)/GPRS(optional)
Display	LED/LCD(optional)
<b>Conforming standards</b>	
Standards for grid connection	NB/T32004-2018;IEC61727
Safety standard	NB/T32004-2018; IEC62109-1/2
EMC	IEC61000-6-2/4