

Datasheet

Model:

EP-40-60KAT-5G



Loại Grid-tied PV Inverter

Technical Data	30KW	33KW	36KW	40KW	45KW	50KW
DC Input Data						
Max. DC input power (W)	45000W	49500W	54000W	60000W	67500W	75000W
Max. DC input voltage(VDC)	1100					
Max. DC input current(A)	40/40/20A		40/40/20/20A		40/40/20/20A	
MPPT voltage range(VDC)	200~1000					
Recommended working voltage(VDC)	650					
MPPT number	3		4			
Max. input strings per MPP tracker	2		2			
AC Output Data						
Rated output power (KW)	30000	33000	36000	40000	45000	50000W
Max. AC power (KVA)	33kVA	36.3kVA	39.6kVA	44kVA	49.5kVA	55kVA
Max. output current(A)	48A	53A	56A	65A	72A	80A
Rated power grid voltage(Vac)	400V					
Power grid voltage range(Vac)	310-480					
Rated power grid frequency	10-480					
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)					
System Data						
Max. Efficiency(%)	98.6%	98.6%	98.6%	98.6%	98.6%	98.7%
Euro. efficiency(%)	98.1%	98.1%	98.1%	98.2%	98.2%	98.2%
Humidity	0~100%, No condensation					
Cooling	Fan					
Allowed ambient temperature range	-25°C~+60°C					
Consumption during night	<1W					

Altitude allowed	4000m
Communication interface	RS485/WIFI/GPRS((optional)
Display	L ED/LCD(optional)
Mechanical Data	
Size (width x height x depth)	610mm×564mm×218mm
Weight	37kg
Protection class	IIP66
Conforming standards	
Standards for grid connection	NB/T32004-2018;IEC61727
Safety standard	NB/T32004-2018; IEC62109-1/2
EMC	IEC61000-6-2/4