

Datasheet

Model:

EP-6KAT-X2-PRO



Loại Hybrid Inverter

MODEL	3K	3K6	5K	6K
PV input				
Max input voltage	500 V			
Isc PV (absolute Max.) (A)	27A	27A/27A	27A/27A	27A/27A
Max input current(A)	20A	20A/20A	20A/20A	20A/20A
Number of MPPT channels	1/1		2/1+1	
MPPT Range (Vdc)	150~425			
Max. PV Access Power (W)	6000	7200	10000	12000
Max input PV power (VA)	4800	5760	8000	9600
Max PV Input Voltage (V)	500			
Start-up Voltage (V)	125			
Battery (charge/discharge)				
Battery type	Li-ion/Lead-acid			
Battery Voltage Range(V)	40-60			
Max charge/discharge Current(A)	75	90	120	125
Charging Strategy for Li-ion Battery	Self-adaption to BMS			
Number of battery input	1			
AC Input/Output Data				
Rated AC Input/Output Active Power (W)	3000	3600	5000	6000
Max AC Input/Output Apparent Power (VA)	3300	3960	5500	6600
Peak Power (off-grid) (W)	2 times of rated power,10s			
Rated AC Input/Output Current (A)	13.7/13.1	16.4/15.7	22.8/21.8	27.3/26.1
Max AC Input/Output Current (A)	15/14.4	18/17.3	25/24	30/28.7

Max Continuous AC Passthrough (grid to load) (A)	35	40
Rated Input/Output Voltage/Range(V)	220V/230 0.85Un-1.1Un	
Grid Connection Form	L+N+PE	
Rated Input/Output Grid Frequency/Range	50Hz/45Hz-55Hz 60Hz/55Hz-65Hz	
Output Power Factor(off grid)	1~(0.8 leading to 0.8 lagging)	
Output Current Harmonic Distortion	<3% (of nominal power)	
DC Injection Current	<0.5%In	
Others		
Temperature (°C)	-40 to+60°C, > 45°C Derating	
Inverter Isolation	DC Reverse Polarity Protection, AC Output Overcurrent Protection, Thermal Protection, AC Output Overvoltage Protection,	
	AC Output Short Circuit Protection, DC Component Monitoring, Arc Fault Circuit Interrupter (optional), Anti-islanding	
	Protection, DC Switch, Insulation Impedance Detection, Residual Current Detection	
Overvoltage category	OVC III (AC Main), OVC II (PV)	
Dimensions,D*W*H (mm)	338*480*205	
Weight (kg)	13kg	
Altitude	2000m	