

Datasheet

Model:

EP-8KAT-X2



Loại Hybrid Inverter

MODEL	3K	3K6	4K	4K6	5K	6K
PV input						
Max input voltage	500 V					
Isc PV (absolute Max.) (A)	22.5	22.5/22.5	22.5/22.5	22.5/22.5	22.5/22.5	22.5/22.5
Max input current(A)	18A	18A/18A	18A/18A	18A/18A	18A/18A	18A/18A
Number of MPPT channels	1			2		
MPPT Range (Vdc)	150~450					
Vdc range @ full power (Vdc)	240~425					
Max input PV power (VA)	6000	7200	8000	9200	10000	12000
Battery (charge/discharge)						
Battery type	Li-ion/Lead-acid					
Rated battery voltage	48V(44-57V)					
Max charge/discharge Current(A)	75	90	100	110	120	120
Max charge/discharge Power(W)	3300	3960	4400	5000	5500	6000
AC Grid (input and output)						
Rated AC Voltage (VAC)	230(single phase)					
Rated Frequency (Hz)	50(49-51default)(47-53 adjustable)					
Max.output current (A)	15	18	20	22	25	27
Max. output Power (W)	3300	3960	4400	5000	5500	6000
Max. Apparent Power (VA)	3300	3960	4400	5000	5500	6000
Power factor(adjustable)	1~(0.8 leading to 0.8 lagging)					
AC Load output (stand alone)						

Rated Voltage (VAC)	230(single phase)					
Rated Frequency (Hz)	50					
Rated Current(A)	14	16	18	21	23	27
Max. output power (W)	3000	3600	4000	4600	5000	6000
Overload Capability (off grid)	>200% for 15 sec					
Output Power Factor(off grid)	1~(0.8 leading to 0.8 lagging)					
Output Current Harmonic Distortion	THD<3%(Nonlinear load); THD<1.5%(Linear load)					
Others						
Ingress protection (IP)	IP66					
Protective class	Class I					
Temperature (°C)	-25°C~+60°C					
Inverter Isolation	Non-isolated PV- AC					
	High frequency isolated(Battery Side)					
Overvoltage category	OVC III (AC Main), OVC II (PV)					
Dimensions,D*W*H (mm)	198*427*554					
Weight (kg)	20					
Altitude	2000m					

MODEL	7KS48P	7K6S48P	8KS48P
PV input			
Max input voltage	500 V		
Isc PV (absolute Max.) (A)	37.5/22.5		
Max input current(A)	30A/18A		
Number of MPPT channels	2		
MPPT Range (Vdc)	150~450		

Vdc range @ full power (Vdc)	240~425		
Max input PV power (VA)	14000	15200	16000
Battery (charge/discharge)			
Battery type	Li-ion/Lead-acid		
Rated battery voltage	48V(44-57V)		
Max charge/discharge Current(A)	175	190	190
Max charge/discharge Power(W)	7000	7600	8000
AC Grid (input and output)			
Rated AC Voltage (VAC)	220/230(single phase)		
Rated Frequency (Hz)	50/60		
Max.output current (A)	35	38	40
Max. output Power (W)	7000	7600	8000
Max. Apparent Power (VA)	7700	8360	8800
Power factor(adjustable)	1~(0.8 leading to 0.8 lagging)		
AC Load output (stand alone)			
Rated Voltage (VAC)	220/230(single phase)		
Rated Frequency (Hz)	50/60		
Rated Current(A)	35	38	40
Max. output power (W)	7000	7600	8000
Overload Capability (off grid)	>200% for 15 sec		
Output Power Factor(off grid)	1~(0.8 leading to 0.8 lagging)		
Output Current Harmonic Distortion	THD<3%(Nonlinear load); THD<1.5%(Linear load)		

Others	
Ingress protection (IP)	IP66
Protective class	Class I
Temperature (°C)	-25°C~+60°C
Inverter Isolation	Non-isolated PV- AC
	High frequency isolated(Battery Side)
Overvoltage category	OVC III (AC Main), OVC II (PV)
Dimensions,D*W*H (mm)	198*427*554
Weight (kg)	20
Altitude	2000m