DATASHEET

Model: EP-6KAT-48P1L



Off-Grid PV Inverter

ECO SOLAR CO..LTD
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Model	EP-5.5KAT-48P1L	EP-6KAT-48P1L
Rated Power	5.5kW	6.2kW
Number of Parallel Units	1-9	1-9
AC Input		
Input mode	L+N+PE	
Rated Input Voltage	220/230/240VAC	
Input Voltage Range	90-280VAC±3V（APL Mode) 170-280VAC±3V（UPS Mode）	
Input Frequency Range	50/60Hz(Adaptive)	
Inverter Output		
Rated Power	5500W	6200W
Output Voltage	220/230/240VAC±5%	
Output Frequency	50/60Hz±0.1%	
Output Waveform	Pure Sine Wave	
Switching Time (Adjusttable)	Computer Equipment: 10 ms, Household Appliances: 20 ms	
Peak power	11000VA	12400VA
Overload Capability	Battery Mode：21s@105%-150% Load 11s@150%-200%Load 400ms@>200%Load.	
Battery		
Rated Voltage	48VDC	
Constant Voltage Charging (Adjustable)	56.4VDC	
Float Charging Voltage (Adjustable)	54VDC	
PV		
PV Charging Mode	MPPT	
Max. Input Power	5500W	6200W
MPPT Tracking Range	60-500Vdc	
Optimal Vmp Voltage	300-400Vdc	
Max. PV Input Voltage	500Vdc	
Max. PV input current	27A	
Battery Charging		
Max. PV Charging Current	100A	120A
Max. AC Charging Current	60A	100A
Maxi. Charging Current	100A	120A
Screen		
LCD Screen	2.4-inch LCD	
Environmental Parameters		
Operating Temperature	-10-50℃	
Operating Humidity	20%-95%（Non-Condensing）	
Storage Temperature	-15-60℃	
Altit ude	Altitude should not exceed 1000m; derating is require dabove 1000m, up to a maximum of 4000m. Refer to IEC 62040.	
Noise	≤50db	
Dimensions		
Depth × Height × Width （mm）	495*312*146mm	