

E5 SERIES

HIGH FREQUENCY OFF-GRID INVERTER



E5-3K-48 | E5-5K-48



Pure sine wave
solar inverter



High PV input
voltage range



Parallel operation
with up to 9 units



Output power
factor 1



Built-in MPPT
solar controller



WiFi remote monitoring

MODEL	E5-3K-48	E5-5K-48
Rated Output Power	3300VA/3000W	5000VA/5000W
INPUT (AC)		
Nominal Input Voltage [V]	230	
Selectable Voltage Range [V]	170~280 (For personal computers); 120~280 (For home appliances)	
Low Loss Voltage [V]	170(UPS); 120 (Appliances)	
Low Loss Return Voltage [V]	180(UPS); 130(Appliances)	
High Loss Voltage [V]	280	
High Loss Return Voltage [V]	270	
Nominal Input Frequency [Hz]	50 / 60 (Auto detection)	
OUTPUT (AC)		
Output Voltage Waveform	Pure sine wave	
AC Voltage Regulation Battery Mode [V]	230±5%	
Output Frequency [Hz]	50	
Surge Power [VA]	6000	10000
Maximum Efficiency	93%	
Overload Protection	5s@≥150% load; 10s@105%~150% load	
Transfer Time	10 ms (For personal computers); 20 ms (For home appliances)	
BATTERY		
Battery Voltage [V]	48	
Floating Charge Voltage [V]	54	
Overcharge Protection [V]	63	
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	
Maximum PV Array Open Circuit Voltage [V]	500	
Maximum PV Array Power [W]	3600	6000
PV Operating Voltage Range [V]	120 ~ 450	
Maximum PV String Current [A]	16	18
PV normal Voltage [V]	360	
Maximum Solar Charge Current [A]	60	80
Maximum AC Charge Current [A]	60	80
PHYSICAL		
Humidity	5% to 95% relative humidity (Non-condensing)	
Storage Temperature	-15°C to 60°C	
Operating Temperature	-10°C to 50°C	
Ingress Protection	IP21	
Dimension [H *W *D] [mm]	497*400*121.5	
Net Weight [kg]	12	12.4
Communication Interface	RS232, RS485, USB, Wifi, Dry-contact	
Warranty [Years]	2	