KQ- IVQ110-1KW～5KW High Frequency Inverter

Model

- Pure sine wave high frequency inverter
- LCD setting & Optional WIFI/GPRS remote monitoring
- Smart overload / over-temperature/short circuit protection
- Intelligent battery charger design for optimized battery performance
- Supports parallel operation for capacity expansion

Datesheet	KQ-IVQ110-1KW	KQ-IVQ110-2KW	KQ-IVQ110-3KW	KQ-IVQ110-3KW-P	KQ-IVQ110-5KW
Rated power	1000W	2000W	3000W	3000W	5000W
Peak power	2000VA	4000VA	6000VA	6000VA	10000VA
Battery					
Battery Voltage	12Vdc	24Vdc			48Vdc
Battery type	Lithium battery/Lead-acid battery				
Constant charge voltage (can be setting)	14.1Vdc	28.2Vdc			56.4Vdc
Floating charge voltage (configurable)	13.5Vdc	27Vdc			54Vdc
Input					
Input standard	L+N+PE				
Input voltage	220VAC				
Voltage range	154-264 VAC ±3V （normal mode）				
Surge Power	2000VA	4000VA	6000VA	6000VA	10000VA
Frequency	50/60Hz ±0.1%				
Output					
Output voltage	208VAC/ 220VAC/ 230VAC/ 240VAC ±5%				
Transfer Time	10ms typical,20ms Max.				
Overload capacity	1min@102%～110%Load 10s@110%～130% Load 3s@130%～150%Load 200ms@＞150%Load				
Peak capacity	＞93%		＞94%		
Waveform	Pure Sine Wave				
Charger					
Charge mode	PWM		MPPT		
Maximum Pv array power	600W	1200W	1500W	3500W	5500W
MPPT range operating voltage	55Vdc	80Vdc	145Vdc	450Vdc	450Vdc
Maximum PV charge current	50A		60A		80A
Maximum AC charging current	50A		60A		80A
Maximum charging current	100A		120A	60A	80A
MPPT tracking range	N/A		30-115Vdc	120-430Vdc	
Charge Current	50A		60A		80A
AC Input Voltage	220VAC				
Selectable Voltage Range	154-264 VAC ±3V（Normal）；185～264VAC ±3V （UPS）				
Frequency Range	50/60Hz ±0.1%				
Others					
Operating Temperature	0～40 °C				
Storage Temperature	-15 ～60 °C				
Humidity	20%～95%				
Attitude	less than 1000m				
LCD	Operation mode/load/load/output, etc				
R32	5 PIN/ Pitch 2.54mm； Lithium battery BMS Devicenet、WI-FI Devicenet，etc				
Parallel operation	Nonsuppor			Support	
Dimension(W*H*D)	490*312*125mm				
Net Weight	4.21kg	6.21kg	8.21kg	8.21kg	10.2kg