

1.3 Specification

MODEL	1K	1KL	2K	2KL	3K	3KL
Rate Capacity	1KVA/1KW		2KVA/2KW		3KVA/3KW	
INPUT						
Input formats	L+N+PE					
Rated input voltage	100/110/115/120/127VAC					
Voltage range	55~150VAC, 55~85VAC and 140~150VAC(power limited)					
Frequency range	50/60±6Hz (default),±10Hz(Settable)					
Input power factor	≥0.99					
Input Harmonic distortion	≤4% THD(linear load),≤6% THD(non-linear load)					
OUTPUT						
Output formats	L+N+PE					
Output voltage	100/110/115/120/127VAC					
Output accuracy	±1%					
Output frequency	Online mode:accordingto AC frequency ,Battery mode:50/60Hz±0.1%					
Output Harmonic distortion	≤2% THD(linear load),≤4% THD(non-linear load)					
Output Power Factor	1					
Switching Time	AC Mode to Battery Mode 0ms , Inverter to Bypass 4ms(Typical)					
Load Capacity	AC Mode: 10min@102%~110% Load 1min@110%~130% Load 10s@130%~150% Load 200ms@>150% Load		Battery Mode: 1min@102%~110% Load 10s@110%~130% Load 3s@130%~150% Load 200ms@>150% Load			
Machine Efficiency						
AC Mode	Full load efficiency 93.5%@110VAC		Full load efficiency 94.5%@110VAC		Full load efficiency 94.5%@110VAC	
Battery Mode	Full load efficiency 90.5%@36VDC		Full load efficiency 93.5%@72VDC		Full load efficiency 93.5%@96VDC	
Battery Mode	Full load efficiency 89.5%@24VDC		Full load efficiency 92.5%@48VDC		Full load efficiency 92.5%@72VDC	
Charger						
Battery Type	Lead acid battery					
Battery Quantity	2(24VDC)	3(36VDC)	4(48VDC)	6(72VDC)	6(72VDC)	8(96VDC)
Charging Current	1K,2K,3K:1.0A(default),1KL,2KL,3KL:5.0A(default),1~12A(Settable).					
Charging Mode	Two/Three Period Charging					
Ambient Parameters						
Working ambient temperature	0~40°C					
Working ambient humidity	20%~95% (No Condensation)					
Storage temperature	-15~60°C(Battery:0~40°C)					
Altitude	<1000m,Derating at above 1000m,maximum4000m,Referto IEC62040					
Noise level	<50db					
Communication Interface						
Interface	One USB, one RS232, one EPO					
Standard and Approvals	EN/IEC 61000,EN/IEC62040,GB/T 7260,GB/T 4943,YD/T1095,TLCetc.					