VESTWOODS
by Haier Energy

SOLAR UPS

Install-free Home Power Backup

1 kW | 2 kWh | Off-grid

ES-Grade LFP Battery
Utilize 314Ah LFP battery guaranteeing energy station grade safety and duration

IP65 Level Cooling Design
Cooling by heat dissipation fin not by active out air preventing dust and insects going inside

Pure Sine Wave Output
Maximize energy transfer and minimize equipment failure



CE UN 38.3 IEC

Model	VEP1K-20B
PV Input	
Max. PV Input Power	600W
PV Input Voltage Range& Start Voltage	10~100V
Maximum Charge Current	16A
MPPT Efficiency	＞99%
PV Input Port	1*MC4
AC Input	
Max. AC Input Power	1150W±5%
Input Voltage Range & Frequency	155-300Vac, 45~65Hz
Max. Input Current	7.5A±10%
AC Input Port	1*Socket (optional)
AC Output	
Rated Output Power	1000W±5%
Peak Output Power	1500W±5%(15s)
Output Voltage Range & Frequency	2*220~240V
AC Output Port	2*Sockets
Switch Time	Switching Time＜20ms
Battery Parameters	
Cell Type	LFP
Nominal Battery Voltage	6.4V
Nominal Battery Energy	2009.6Wh
General Specification	
Cooling Mode	Fins Dissipation
Altitude	<3000m
Noise	<25dB
Weight	19±0.5kg
Dimension(W*H*D)	304*200*310mm
IP Rating	IP20
Operating Temperature Range	Charging:0°C~45°C;Discharging:-20°C~45°C
Allowed Humidity Range	20%~85%