

PORTABLE ALL-IN-ONE MACHINE

ESS-500W



All around protection and
unattended operation



Long life design
cells cycle time up to
8000 cycles



All in one Solar inverter
Energy storage system

规格参数Specifications Parameter

型号Model	ESS 500W+1000WH
逆变器/充电器Inverter/Charger	
额定交流输出功率Rated AC Output Power	500W
输出电压波形Output Voltage Waveform	Pure Sine Wave
输出电压Output Voltage	185 ~ 230VAC 50Hz
低直流警告点Low DC Warning Point	≤19%
低直流切断电压Low DC Cut-off Voltage	2.9Vdc
低直流警告恢复电压Low DC Warning Return Voltage	>20%
充电功率 Charging Power(Utility and solar together)	500W Max.
均充电压Bulk Charging Voltage	3.6Vdc
浮充电压Float Charging Voltage	3.5Vdc
交流输入AC Input	
标称输入电压Nominal Input Voltage	230Vac
低电压保护点Low Loss Voltage	90Vac±7
低电压恢复点Low Loss Return Voltage	100Vac±7
高电压保护点High Loss Voltage	280Vac±7
高电压恢复点High Loss Return Voltage	270Vac±7
最大交流输入电压Max.AC Input Voltage	300Vac
标称输入频率Nominal Input Frequency	45 ~ 65Hz
交流充电功率AC Charging Power	500W Max.
太阳能输入Solar Input	
标称光伏电压Nominal PV Voltage	30Vdc
光伏阵列 MPPT 电压范围PV Array MPPT Voltage Range	10Vdc~55Vdc
最大光伏阵列开路电压Max.PV Array Open Circuit Voltage	56Vdc
太阳能充电功率Solar Charging Power	300W Max.
磷酸铁锂电池 Lithium Iron Battery	
容量Capacity	1004.8Wh
标称电池电压Nominal Battery Voltage	3.2Vdc
典型容量Typical Capacity	314Ah
最大充电电流Max.Charge Current	130A
最大放电电流Max.Discharge Current	130A
工作电压范围Operation Voltage Range	2.9Vdc ~ 3.6Vdc
工作温度Operation Temperature	-10℃~+50℃
直流输出DC Output	
直流输出功率DC Output Power	5W Max.
直流输出插座DC Output Socket	1pcs 5V1A USB charger
显示功能Display Function	
LED指示灯LED Indicator	4pcs SOC indicators,1 pcs working status indicators
环境Ambient	
噪音 (dB)Noise(dB)	<40dB(1meter)
工作温度 working Temperature	-10℃~+50℃
湿度Humidity	5~95%(no condensation)
海拔高度 (米)Sea Level(m)	≤2000
尺寸Dimension	
长×宽×高(产品尺寸)L×W×H(products size)	420x290x90mm
长×宽×高(包装尺寸)L×W×H(package size)	486x326x146mm
重量(净重 Kg)Weight(NW Kg)	11.0Kg
重量(毛重 Kg)Weight(GW Kg)	12.0Kg

Wall-Mounted ALL-IN-ONE

ESS 1000W+2009Wh



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规格参数Specifications Parameter

型号Model	ESS 1000W+2009Wh
逆变器/充电器Inverter/Charger	
额定交流输出功率Rated AC Output Power	1000W
输出电压波形Output Voltage Waveform	Pure Sine Wave
输出电压Output Voltage	185 ~ 230VAC 50Hz
低直流警告点Low DC Warning Point	≤19%
低直流切断电压Low DC Cut-off Voltage	5.8Vdc
低直流警告恢复电压Low DC Warning Return Voltage	>20%
充电功率 Charging Power(Utility and solar together)	800W Max.
均充电压Bulk Charging Voltage	7.2Vdc
浮充电压Float Charging Voltage	7.0Vdc
交流输入AC Input	
标称输入电压Nominal Input Voltage	230Vac
低电压保护点Low Loss Voltage	90Vac±7
低电压恢复点Low Loss Return Voltage	100Vac±7
高电压保护点High Loss Voltage	280Vac±7
高电压恢复点High Loss Return Voltage	270Vac±7
最大交流输入电压Max.AC Input Voltage	300Vac
标称输入频率Nominal Input Frequency	45 ~ 65Hz
交流充电功率AC Charging Power	800W Max.
太阳能输入Solar Input	
标称光伏电压Nominal PV Voltage	38Vdc
光伏阵列 MPPT 电压范围PV Array MPPT Voltage Range	13Vdc~55Vdc
最大光伏阵列开路电压Max.PV Array Open Circuit Voltage	56Vdc
太阳能充电功率Solar Charging Power	550W Max.
磷酸铁锂电池 Lithium Iron Battery	
容量Capacity	2009.6Wh
标称电池电压Nominal Battery Voltage	6.4Vdc
典型容量Typical Capacity	314Ah
最大充电电流Max.Charge Current	220A
最大放电电流Max.Discharge Current	220A
工作电压范围Operation Voltage Range	5.8Vdc ~ 7.2Vdc
工作温度Operation Temperature	-10℃~+50℃
直流输出DC Output	
直流输出功率DC Output Power	5W Max.
直流输出插座DC Output Socket	1pcs 5V1A USB charger
显示功能Display Function	
LED指示灯LED Indicator	4pcs SOC indicators,1 pcs working status indicators
保护Protection	Overcharge protection、Overdischarge protection、Overcurrent protection Shortcircuit protection、Overtemperature protection"
环境Ambient	
噪音 (dB)Noise(dB)	<50dB(1meter)
工作温度 working Temperature	-10℃~+50℃
湿度Humidity	5~95%(no condensation)
海拔高度 (米)Sea Level(m)	≤2000
尺寸Dimension	
长×宽×高(产品尺寸)L×W×H(products size)	500x360x90mm
长×宽×高(包装尺寸)L×W×H(package size)	580x445x170mm
净重 Weight(NW Kg)	18.8Kg
毛重 Weight(GW Kg)	19.9Kg