

SAM1000W

Multifunction Energy Storage Power Station



Home Energy Storage:
Time-of-use electricity price arbitrage,
emergency power supply



Outdoor Camping:
Off-grid power supply,
portable battery life



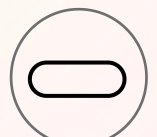
Small Shops:
Backup power supply,
prevent power loss and property damage



Battery Level



USB Port



Type-C Port



AC Output Port



AC Input Port



Solar Charging Port

Model	SAM 300-3.2	SAM 500-3.2	SAM 1000-6.4
AC Output			
Rated AC Output Power	300W	500W	1000W
Output Voltage	230Vac±5		
Output Voltage Waveform	Pure Sine Wave		
AC Input			
NominalVoltage	230Vac		
VoltageRange	90-280Vac		
Frequency	50/60Hz(Autofollowing)		
AC Charging Power	300W Max.	500W Max.	1000W Max.
PV Input			
MPPT voltage range	10~50Vdc		15~60Vdc
Start-up voltage	10Vdc		15Vdc
Maximum input voltage	55Vdc		70Vdc
Maximum input power	300W Max.	400W Max.	550W Max.
DC Output			
USB Charger	5V1A,1pcs		
TYPE-C Charger	5V1A,1pcs		
Battery			
BatteryType	LiFePO4		
Capacity	896Wh	1004.8Wh	2009.6Wh
Nominal Battery Voltage	3.2Vdc	3.2Vdc	6.4Vdc
Typical Capacity	280Ah	314Ah	314Ah*2
Max.Charge Current	130A	140A	140A
Max.Discharge Current	130A	200A	200A
Operation Voltage Range	2.9Vdc~3.6Vdc	2.9Vdc~3.6Vdc	5.8Vdc~7.2Vdc
Others			
Placed	Indoors		
Ingress Protection rating	IP21		
Operating Temperature	-10℃~+50℃		
Humidity	5%~95%Relative Humidity(Non-condensing)		
Altitude	≤2000 m		
Net Weight	9.8kg	10.3kg	18.5kg
Product size (L*W*H)	270*225*180mm	280*230*190mm	300*238*282mm