

Sun-AP ECOPOWER



SOLAR LUMENX

UPS Portable PoWer Station



Power Back-up



Emergency Use



Outdoor Travel



1280Wh

STORAGE CAPACITY

1000VA

PURE SINE WAVE OUTPUT

1200W

SURGE OUTPUT

300W

SOLAR INPUT

4000+

CYCLE LIFE

Technical Specifications

Battery Parameters	
Battery Type	LIFEPO4
Battery Voltage	12.8V
Battery capacity	1280WH
Short-circuit protection current	400A
Short-circuit protection time	100us
Discharge overcurrent protection	(Min) 145A, 150A, (Max)155A
Equalizing current	(Min) 50mA, 60mA, (Max) 70mA Starting condition (battery cell): 3.200±20mV, ΔV>5mV
Static power consumption	≤400uA (Powered off state)
DC6530 Input Port	
Input voltage	(Min)18V, 25.6V, (Max) 65V Support AC charge, PV charge
Input current	(Min) 5A, 12A, (Max)17A ----MPPT 300W Max
Charge conversion efficiency	90% (Test condition: Input 28.8V and battery voltage 12.8V)
Input polarity reverse protection	Support
Input short circuit protection	Support
MPPT PV charge	Support (300W Max)
AC Input Port	
Input voltage	(Min) 210V, 220V, (Max) 240V
Input current	(Min)46HZ, 50HZ, (Max) 64HZ Underfrequency stop charging
Maximum charging power	300W
Charge conversion efficiency	89%
Input overvoltage protection	280Vac
Input under voltage protection	180Vac
AC*2 Input Port	
Rated output voltage	(Min) 210Vac, 220Vac, (Max) 240Vac
Output waveform	Pure sine wave
Output frequency	(Min) 49.9HZ, 50HZ, (Max) 50.1HZ
No load loss with output	<25W
Output rating	1000VA
Peak power	1200W
Output power factor	(Min) 0.95, (Max) 1
Efficiency	89% Rated input, rated load, test requirements: average efficiency of four points with load current 25%, 50%, 75%, 100%
AC Charge and discharge simultaneously	Support (Charging power 300W)
Work Mode	Automatic charging: The mains automatically charge the battery. Manual discharging: manually starts the AC output of the battery inverter UPS mode: mains direct supply, mains interruption automatic switching inverter power supply (10ms)
Controller failure	The indicator lights up when a fault occurs
Heat-dissipating method	Forced air cooling
Over-temperature protection	Support
Fan starting temperature	40°C 42°C 45°C
Fan stopping temperature	36°C 38°C 40°C

