

# Apple Li/Gel Portable Power Station

UPS and Solar Energy Storage



## Key Features

- Suitable for mains power unstable or often off, and important equipment that requires backup power
- This product adopts high-precision DSP control chip, precise detection circuit, advanced control technology
- Intelligent temperature-regulating fan, efficient heat dissipation, extending system life.
- Pure sine wave output, multiple working mode options
- Multiple electronic protections: Short circuit protection, overvoltage and under voltage protection, overload protection, Overheat / short circuit automatic restart(automatic restart three times)
- Wide frequency and wide voltage input, can be used for diesel / gasoline generator input
- 3-Stage battery charger with configurable charging current
- 8 Pre-Set battery voltages including Lithium; User-defined option

Inverter Specifications				
Model	APPLE-1000W	APPLE-2000W	APPLE-3000W	APPLE-3500W
Surge Power(1 second)	3000W	6000W	9000W	10500W
Surge Power(10 seconds)	1300W	2600W	3900W	4550W
Surge Power (60 seconds)	1100W	2200W	3300W	3850W
Commercial Power Range	220VAC,230VAC,240VAC (Optional)			
Output Frequency Range	50/60±0,5 Hz			
DC Voltage Input	12VDC	12VDC/24VDC	24VDC/48VDC	
Output Wave Form	Pure Sine Wave			
Output Overload	105% < Load < 110% ± 10%: Fault (Turn off output after 60 seconds) 110% < Load < 130% ± 10%: Fault (Turn off output after 10 seconds) 150% < Load < ± 10%: Fault (Turn off output after 1 second)			
Thermal Method	Cooling fan in intelligent control is ≤ 42°C, fan rotates slowly to ≥ 45°C or the load is ≥ 50%, and the fan rotates fast			
Communication Port	RS485/WIFI (Optional)			
Temperature	-10°C ~ +50°C			
Humidity	10% ~ 90%			
Short Circuit Protection	Software Protection			
Line Mode Efficiency	> 95%			
Optimal Efficiency	> 85%			
DC Battery Specifications				
AC Charging (Max)	30A	30A	24V:40A, 48V:30A	
Battery Type	iFePO4 / SLA			
Input Voltage Range	12VDC:10.5 ~ 15V	24VDC:21 ~ 30V	48VDC:41 ~ 60V	
Floating Charge Set	12VDC:12.9 ~ 13.6V	24VDC:25.8 ~ 27.2V	48VDC:51.6 ~ 54.4V	
Low Voltage Restored	12VDC:12.6 ~ 14.4V	24VDC:25.2 ~ 28.8V	48VDC:50.4 ~ 57.6V	
Low Voltage Shutdown set	12VDC:10 ~ 10.9V	24VDC:20 ~ 21.8V	48VDC:40 ~ 43.6V	
Over Voltage Protection	12VDC:16.7V	24VDC:33.4V	48VDC:66.8V	
Over Voltage Alarm	12VDC:15V	24VDC:30V	48VDC:60V	
Transfer Time	Typical: 5-8ms(Including detection time)			
Waveform	Pure sine wave			
Solar Charge Controller				
Max Solar Charge Current	30A	30A	50A	60A
PV Voltage	PWM	12V:25V, 24V:50V, 48V:75V(Max)		
	MPPT	12V/24V:90V(Max)		12V/24V:130V, 48V:160V(Max)
Max PV Power Input	12V	30A:360W, 50A:600W, 60A: 720W(Max)		
	24V	30A:720W, 50A:1200W, 60A:1440W(Max)		
	48V	50A:2400W, 60A:2880W(Max)		
General Specifications				
External Size(mm) L*W*H	435*220*455mm	514*373*555mm	645*373*855mm	
Gross Size (mm) L*W*H	513*286*525mm	575*429*633mm	70*429*921mm	

## Available Sizes

1000W

2000W

3000W

3500W