AresWatt

Areswatt New Energy

F1800

Large-Capacity and High-Power Portable Power Station

Product features

High Power & Ultra-Large Capacity

The 1024Wh ultra-large capacity battery delivers 1800W rated power output, representing a 125% power increase over the F800, meeting the electricity demands of high-power appliances and professional equipment

Versatile Interface Matrix

Professional-grade output interfaces: AC outlets, DC outlets, USB-C 140W fast charging ports, USB-A QC3.0 ports, and LED lighting system, providing comprehensive power solutions for all types of devices

Ultra-Fast Charging

Supports dual charging methods via solar panels and AC power, with a maximum AC input power of 1500W. Charging efficiency is 275% higher than the F800, rapidly replenishing power reserves

Intelligent Control

Features an LCD smart display and APP remote control functionality, providing real-time monitoring of battery status and charging/discharging power. Supports WiFi connectivity and Bluetooth control for enhanced intelligence

Safe & Reliable Design

Lightweight design (same weight as F1200), utilizes LiFePO4 lithium iron phosphate battery technology with 16-series configuration, 3500+ cycle lifespan, and >80% capacity retention. Certified by multiple international standards including UL2743, FCC, CE, and backed by a 2-year standard warranty

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Technical Parameters

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Model	F1800
Main Parameters	
Rated watts unit	1800W
Capacity	1024Wh
Recharge temperature	0-45°C
Discharge temperature	-10-45°C
Charging time	1 hours
Charging method	By Solar Power or Plug in nett power
Battery Type	Lithium LiFePO4
Life Cycle	3500+ cycles, life capacity>80%
Warranty	2-year warranty
Input Parameters	
AC Input	1500W Max
UPS	Transform Time≤10ms
PV Solar Input	500W
Car Input	12V/24V
Output Parameters	
Out put sockets(EU)	1*EU SOCKETS
Output sockets: EU sockets	220v-230v,50/60Hz
Car cigarette outlet *1	120W,Max,12V/10A
Fast charge outlet	12V/10A
USB-C	2*140W (5/9/12/15/20/28V)
USB-A	1*USB-A QC3.0 (5V/3A, 9V/2A, 12V/1.5A)
Physical Parameters	
Weight	11.5Kg
Size	390×216×260mm
Packing Carton	～44*31*42cm
Control Panel Contents	1*LCD Display
	3*USB Interface
	1*DC Sockets
	1*AC Sockets
Other Parameters	
Input	1*CAR+1*Solar (Converged on one port)
Manual	English+German+French+Spanish+Italy+Polish+Ukraine
HS codes	8507600090
Packing on pallets	Carton box
MOQ for Branding	～300
Pallet packing MOQ	～Units 40 pcs/excluding panels

Technical Support

For more information about operating environment, technical parameters and customized solutions, please consult our technical specialists.