

# 4000W | 5040wh

## Portable Power Station



# S5

Capacity :	5040Wh (48V ; 105Ah)
AC Output :	100~120V/4000W(Rated); 7000W(Peak)(*6)
DC 12V output : (&cigarette lighter&DC5521)	12V/10A
Anderson Output :	12V/30A
4*USB-A output :	5V/3A; 9V/2A; 12V/1.5A(18W Max); 5V/2A
2*USB-C output :	5V/3A; 9V/3A; 12V/3A; 15V/3A; 20V/3A; (PD 60W Max)
AC Charge Input :	100~120Vac 16A Max 2000W Max
PV(Anderson) Input :	12~150Vdc MPPT 18-140V 15A Max 2250W Max
Waveform :	Pure Sine Wave
Size :	25.2*11.9*17.2in (641.5*304.5*437.5mm)
Net Weight :	110.23lb (50kg)

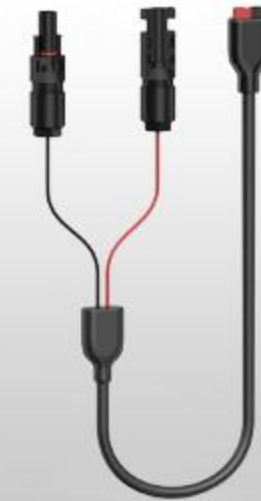


# STANDARD ACCESSORIES

## 5000W Power Station



## Anderson to MC4 Charger



## User manual



## Warranty Card



## AC Charger



## Anderson to 7909 wire



## Anderson to car charger



## Anderson to Anderson



## MC4 to 7909 Wire (not standard packing)



# FUNCTION DESCRIPTION-5000W



- AC Charge Input
- PV(Anderson) Input
- Double Protection with breaker,  
Seperate control of AC/EV charging
- Extra Battery Port



- IOT Switch
- Main Power On/Off Switch
- LCD Screen
- Anderson Output
- USB-C Output Port\*2
- USB-A Output Port\*4
- Car Charger Output Port
- DC 5521 Output Port
- DC Output Power On/Off Switch
- AC Output Power On/Off Switch
- EV Charging
- 5000W AC Output Port\*5

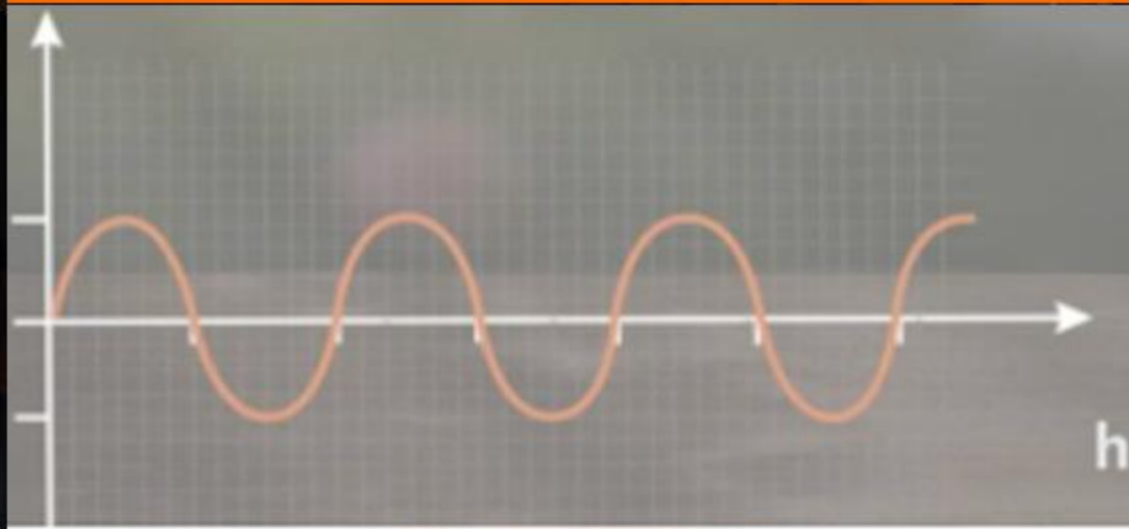
# AC OUTPUT

Pure Sine Wave Current  
More Friendly to Electric Appliance

Pure sine wave -- No damage to electrical appliances

110V/220V

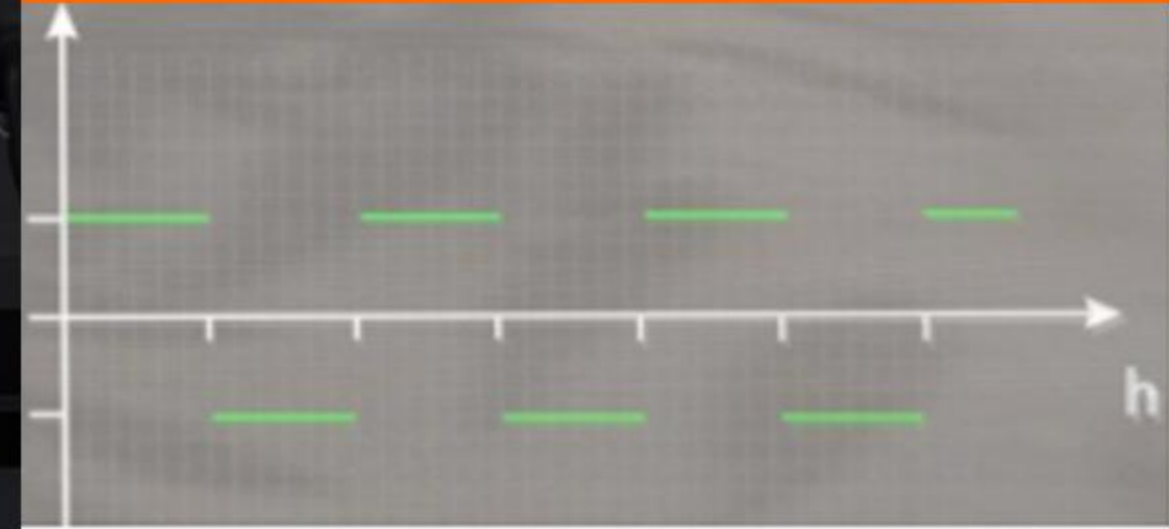
-110V/-220V



Correction Wave -- damager to electrical appliances

110V/220V

-110V/-220V



**AC OUTPUT**

**EMERGENCY POWER BACKUP TO**

- Electric Car
- Scooter
- Electric tools
- more+



## DC OUTPUT

USB-A\*4 : 5V/3A; 9V/2A  
12V/1.5A(18W Max); 5V/2A

USB-C\*2 : 5V/3A; 12V/3A  
15V/3A; 20V/3A (PD60W Max)

DC 12V output : 12V/10A  
(&cigarette lighter)



**DC OUTPUT**



**12V/30A**

**12V 30A Anderson Output**  
**Power backup to RV**





# Uninterruptible Power Supply Breaker Double Protection

## Seamless UPS Backup



### UPS Mode under AC/EV Charging

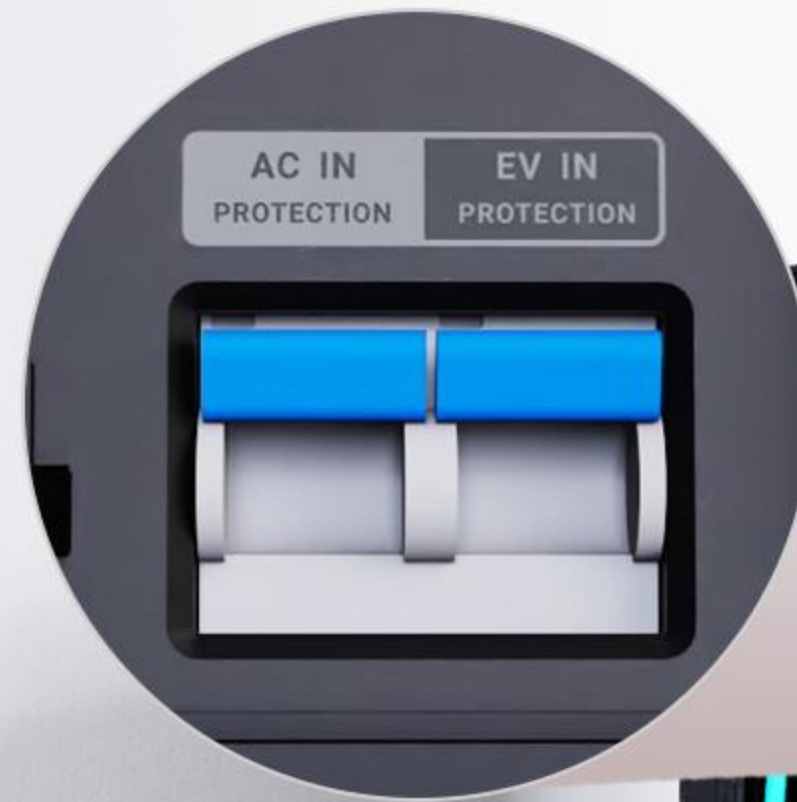
Double safety protection with breaker

### UPS Switch time $\leq 20\text{ms}$

Must power on under UPS mode

### UPS Power up to 5000W

Overload protection if load power  $> 5000\text{W}$  within 1 mins



# EV charge



EV Charging power up to

**2500W**



EV Charge time short to

**2H**



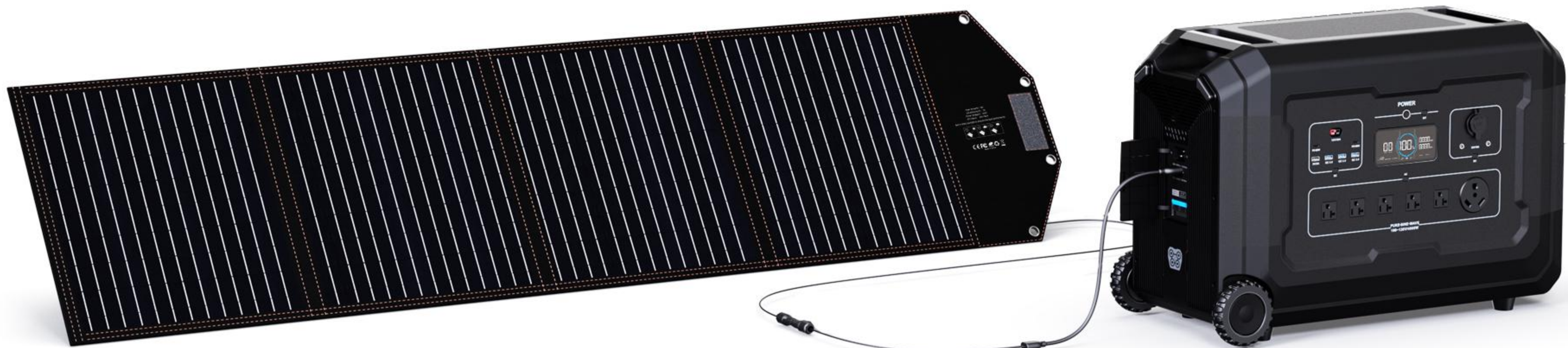
# MPPT

Dynamic tracking of the maximum power of solar panel  
Transfer efficiency is 15% higher than without MPPT

+15%

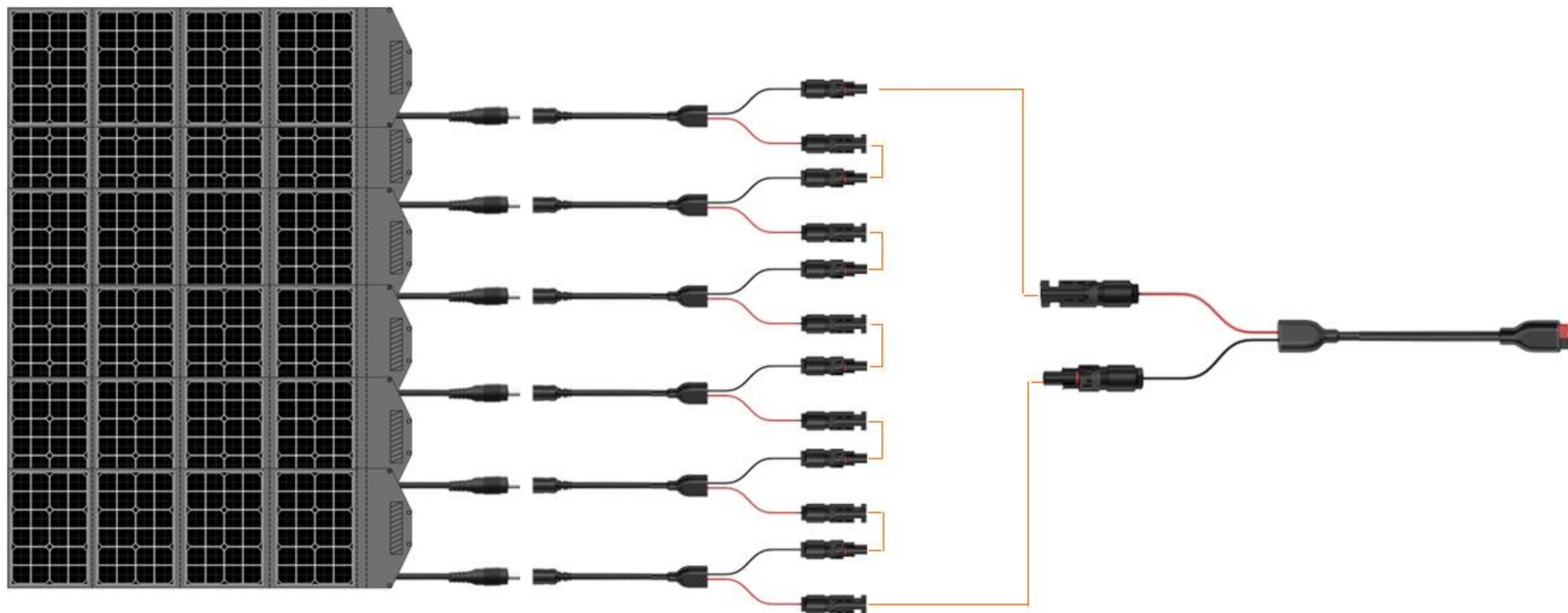


# PV Input



220W Solar Panel

5000W



Max. 6\*220W Solar Panels in parallel

5000W

# PV Input



Panel Power	Charging Power Max.	Open Voltage	Panel Quantity	Pack
550W	410W	49.7V	1	1 series
1100W	820W	99.4V	2	2 series
1650W	1230W	149.1V	3	3 series
3300W	2250W	149.1V	6	3 series 2 parallel

Charging power based on theoretical data 800W/ m<sup>2</sup>

APP Remote Control

SUPPORT



WiFi and Bluetooth



## Smart Extra Battery

Expandable battery

**5040Wh + 5040Wh = 10.08KWh**







## Portable pull rod

**Portable pull rod & wheels design**  
**Movable in an energy saving way**



# Smart HD LCD display

## Real-time data at a glance

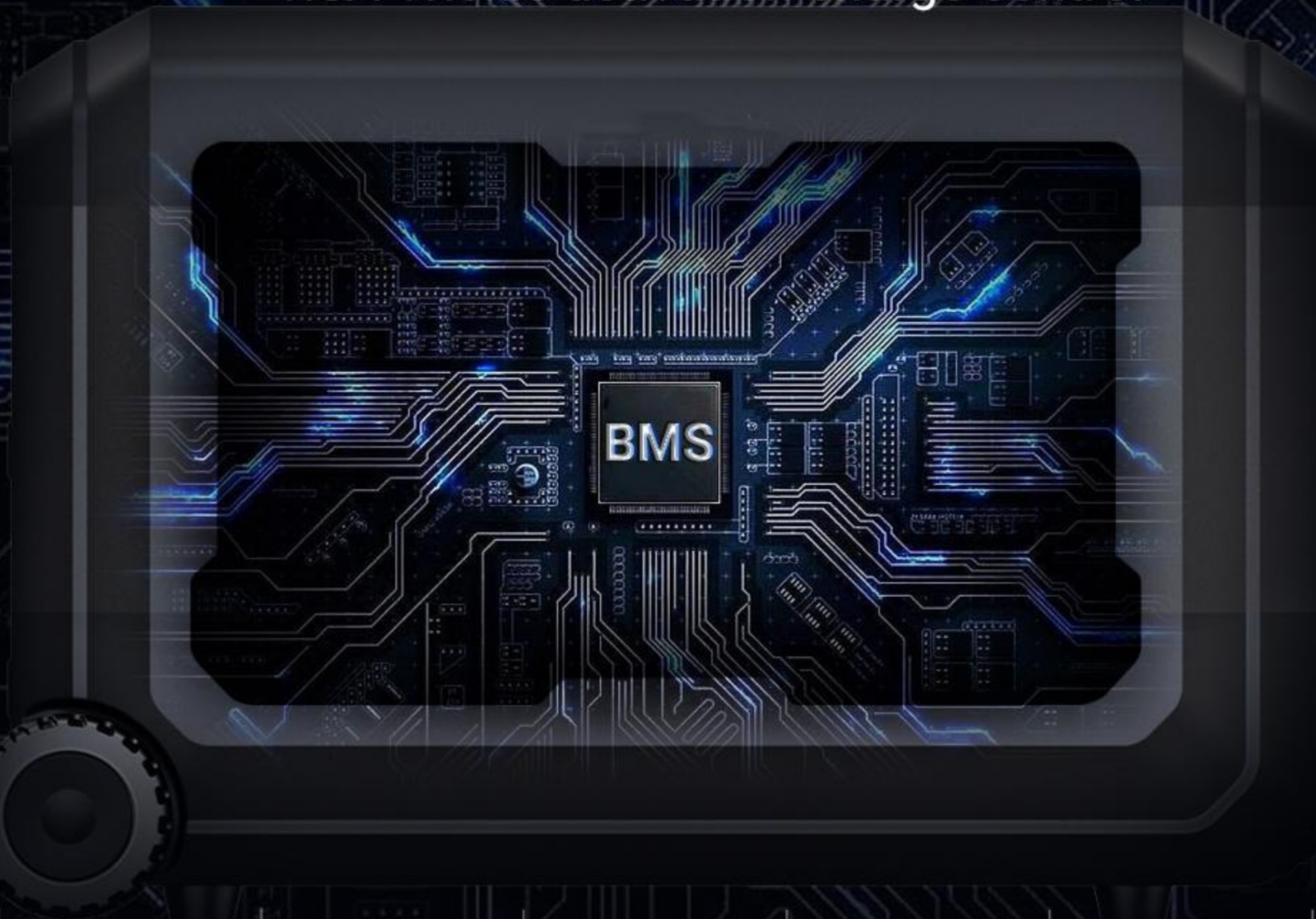
- Charging power
- Over temperature warning
- Safety warning
- Charging time
- Function status
- Power display
- IOT



Smart Power Management IC

# Battery Wake-up Pre-Charge System

- 1.5A Trickle activation charge control



  
Over Discharge  
Protection

  
Overload  
Protection

  
Overcharge  
Protection

  
Short Circuit  
Protection

  
Overvoltage  
Protection

  
Over Temperature  
Protection

  
Low Temperature  
Protection

# What can it power



30Wh  
Tablet PC  
160 times



60Wh  
Drone  
79 times



10W  
Light  
498 hours



1200W  
Electric  
Frying Pan  
3.3 hours



1300W  
Microwave  
3 hours



110W  
TV  
36 hours



1600W  
Hair Dryer  
2.5 hours



500W  
Washer  
8 hours



10W  
WIFI  
398 hours



1000W  
Coffee Maker  
4 hours



40W  
Ventilator  
98 hours



120W  
Refrigerator  
33.3 hours



## LiFePO4 BATTERY

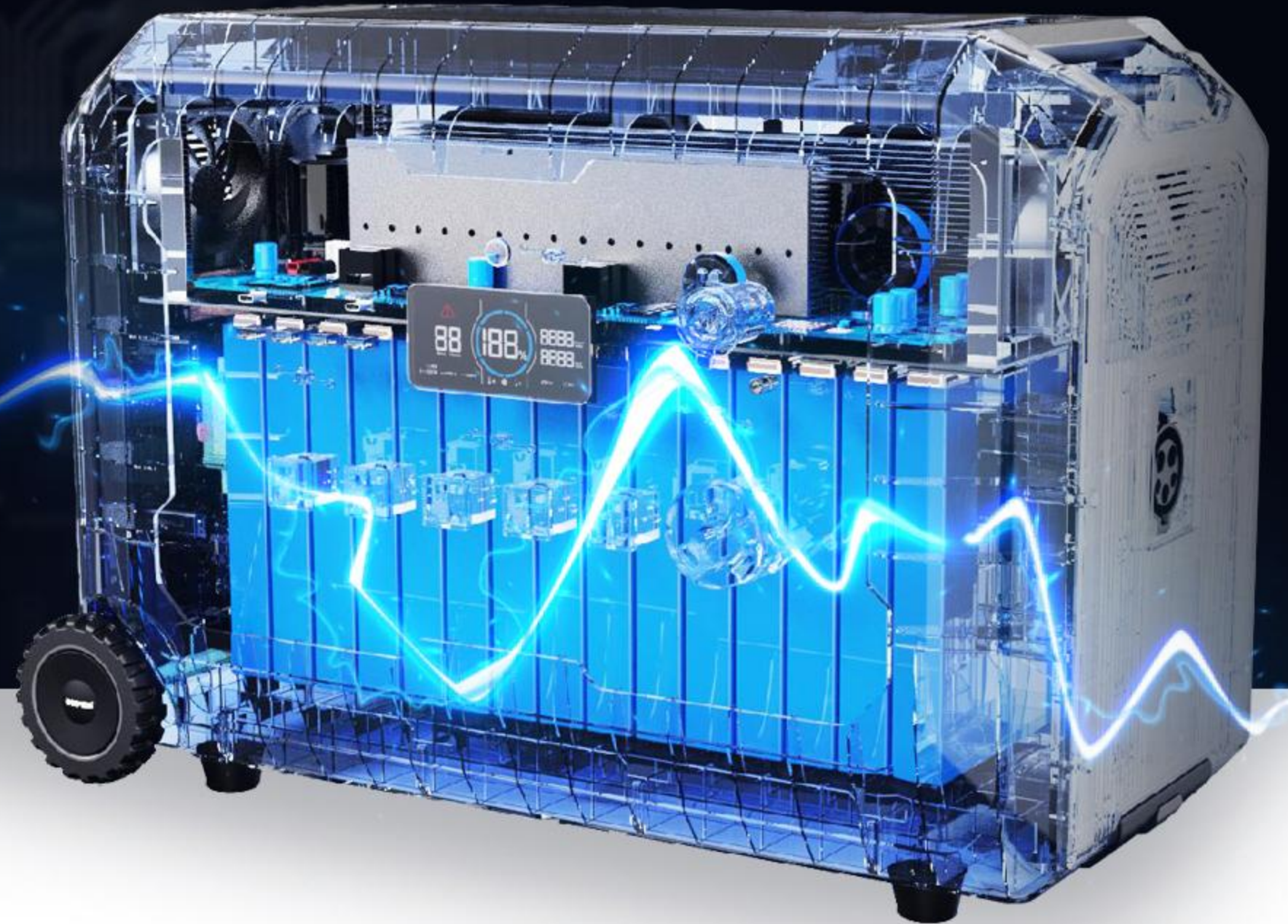
**3600+** CYCLES LIFEP04 BATTERY

Safe, Smart, And Continuously Evolving

Intelligent Three-Speed Cooling Fan Control

Battery Pack ABS+PC Fire Rating UL94-V0

All-in-one Backup Power station



## How to recharge

# SUPER FAST CHARGING

Charging time can shorten to **1H**  
with multiple charging way (Wall+solar)



## WALL OUTLET

2500W Max. ≈2H

## EV CHARGING

2500W Max. ≈2H

## SOLAR PANEL

2250W, 150V Max, ≈2.5H

## CAR CIGERATING

≈64H



**Standard package:**

**Material:** protection EPE,lid and base  
UN box with pallet, PE Stripe

**Quantity:** 1pc/box

**Pallet:** 1box/palletross weight /(S5)

**Gross wight with pallet(S5 battery):** 51.6KGS

**Gross weight with pallet (S5):** 59KGS

**Dimension without pallet:** 760\*420\*540mm

**Dimension with pallet:** 785\*455\*640mm

**20GP/40GP/40HQ:** 108pcs/ 234PCS/312PCS