



MinWe  
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# PRODUCTS CATALOGUE

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POWERING YOUR ADVENTURES

# Content

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**Huizhou MinWe Electronic Technology Co., Ltd.** was founded in 2010. We are a young and innovative technology enterprise dedicated to the research, development, production and sales of **green power supplies**.

We provide reliable and competitive one-stop “Power Energy” solution for various customers and Business parties. Our products include **Lithium Jumpstart, battery chargers, DC/DC power supplies, inverters, portable energy storage power supplies**, etc., which are widely used in automobiles, ships, electric vehicles, drones, RVs, home energy storage, outdoor sports and camping , emergency rescue and other fields.

Based on the strong background of the brother company Minwa Electronic Technology (Huizhou) Co., Ltd., the company has grown and developed rapidly, meanwhile a full modularized management, production and supply chain system has established. We have set up **our offices in Hong Kong and Germany , and set up a global warehousing service center in Germany.**

Our professional and energetic R&D team are working in open-minded and Independent thinking. We have more than **20 years** of experience in **power supply design, battery management system, lead-to-lithium solution, 3D structure design**, etc. We have served the largest Jumpstart suppliers “**Halo**” in North America, and also **Halfords**, a leading retailer of car and bicycle products and services in the UK, Schumacher electric, a leader in consumer batteries and related charging products, etc.

We convinced that only technology can empower the future. We will continue to deepen the innovation of power supply technology, focus on customer needs, and continue to provide customers with high-quality products and services to seize market opportunities.

We look forward to path the way hand in hand with you, in order to open the door of green power in future.

# Research & Development

## Team of Engineers :

**One** high-qualification chief Engineer with over 20 years experience in Electronics field

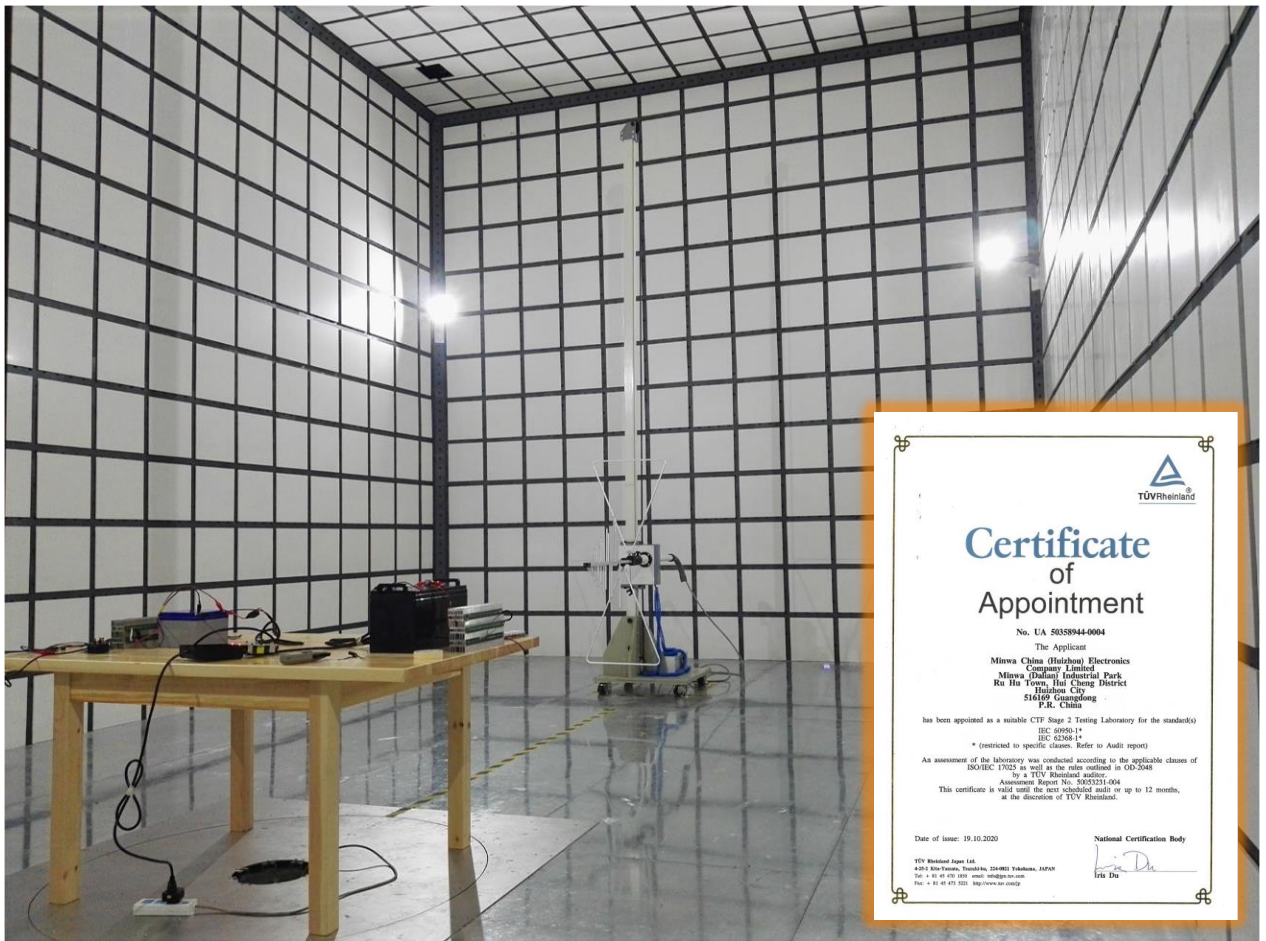
**Two** Senior Engineers with over 10 years experience in Electronics field

**One** Senior Mechanical Engineers with over 10 years experience



## Laboratory:

We have our own laboratory which has been accredited by TUV, once the product is successfully developed, it can be evaluated before certification, which can greatly shorten the development time



# DCDC CHARGER SERIES



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# DC-PRO DUAL INPUT 12V 40A DC-DC INTELLIGENT BATTERY CHARGER



Applications: for AGM, Gel, Calcium, Li-ON, Lead Acid Battery of RVs, Commercial Vehicles, Boats, Yachts

**Minwe's DC-PRO** is a compact DC-DC battery charger with solar input, specially designed for the RV market. The **DC-PRO** battery charger offers effective charging of your caravan, 4WD or camper trailer's house battery from the towing vehicle's electrical system.

Blending both solar and auxiliary inputs, the **DC-PRO** provides a combined charging current of up to a maximum of 40A, with a preference to solar. It features proprietary technology designed to charge from modern car alternators. Moreover, it can be used with Li-ON batteries as well as with traditional AGM, Gel, Calcium, Li-ON, Lead Acid batteries.

## Key Features

- Compact size, heavy-duty construction.
- 40A multi-stage DC-DC battery charger.
- Dual input solar/aux up to 40A.
- Multi battery chemistry selector.
- Charging status, solar priority LED indicators.
- Multiple protections for ultra safety: over-voltage Protection, over-temperature Protection, input/output reverse polarity protection.
- Memory function makes your charging more convenient.

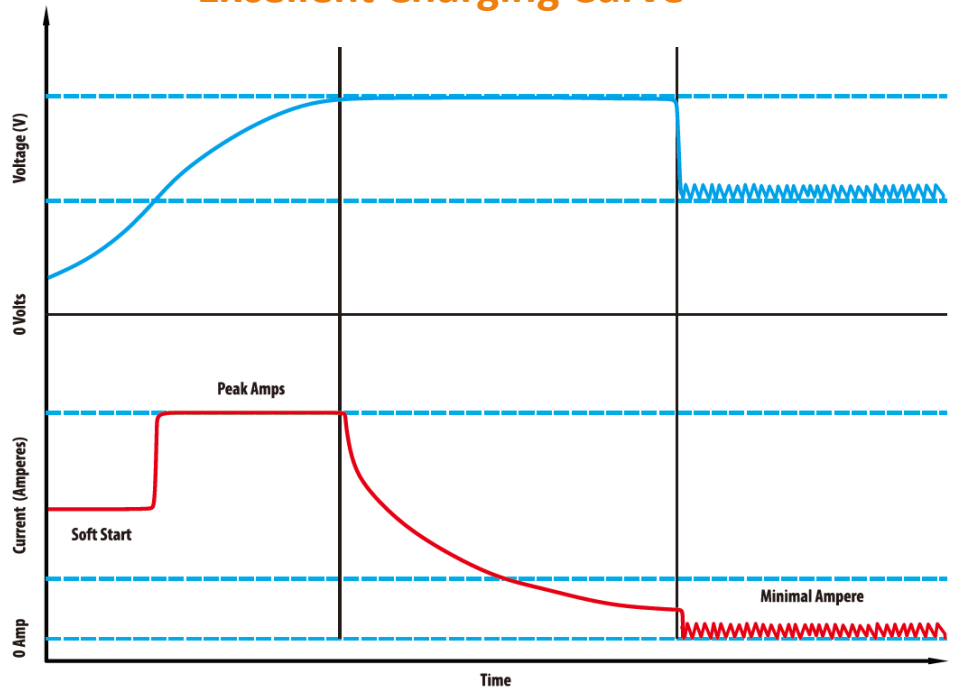
## Product Specifications

- Model No.:** DC-PRO
- DC Input:** 12.4-16V
- Solar Input :** 16-25VDC
- Output:** AGM/Gel:14.7V / 40A  
Lead Acid/LiON:14.4V / 40A  
Calcium: 15.4V / 40A
- Float Voltage:** 13.6V
- Operating Temp:** -10°C~+45°C
- Unit size:** 190x160x40 mm
- IP Rating:** IP20
- Efficiency:** 85%
- Standards:** EN-61000-6-4, FCC Part 15

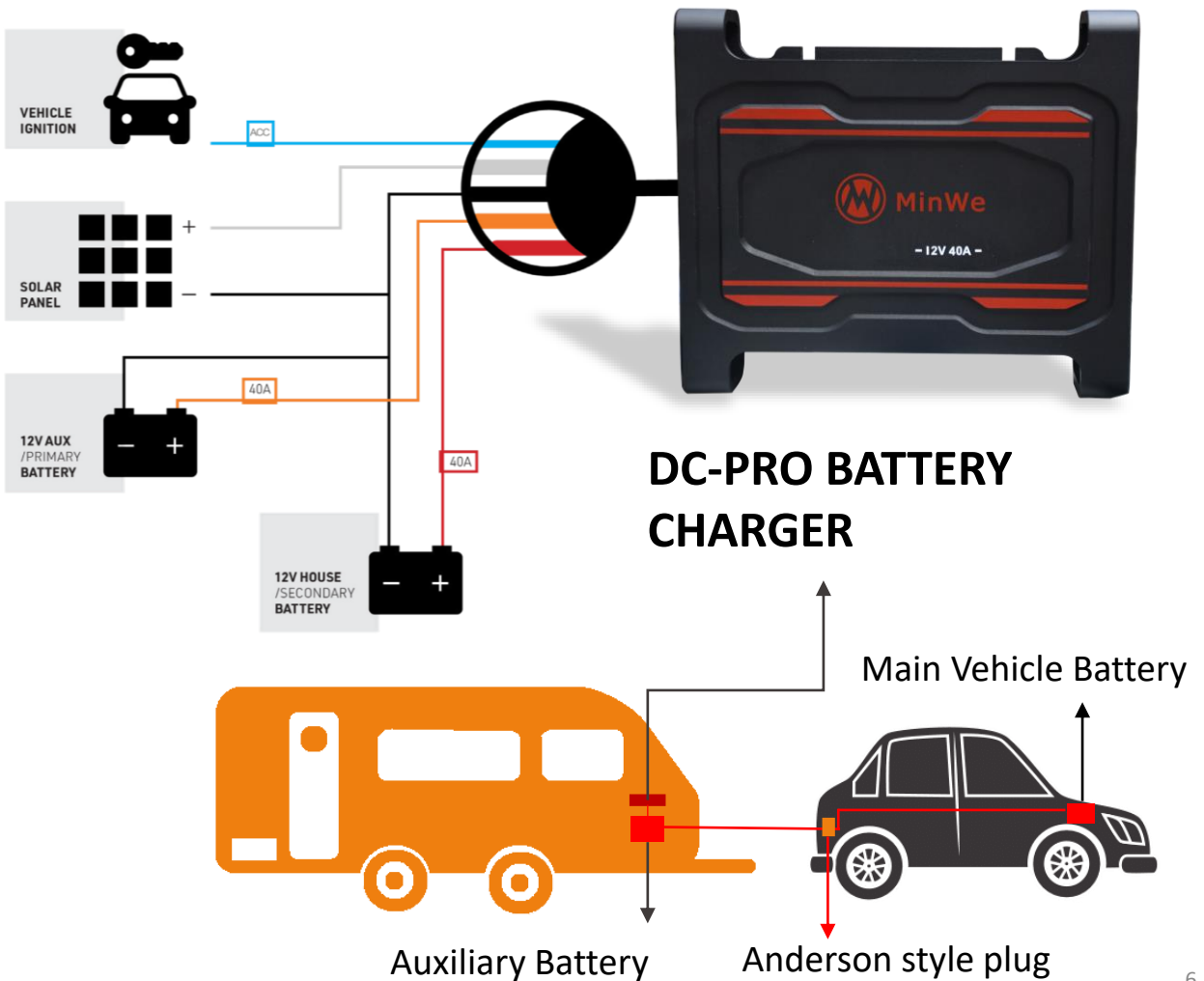
DC-PRO

DC-PRO DUAL  
INPUT 12V  
40A DC-DC  
INTELLIGENT  
BATTERY  
CHARGER

Excellent Charging Curve



Charging algorithm will change according to battery type



# DC-PLUS DUAL INPUT 24V 20A DC-DC INTELLIGENT BATTERY CHARGER



Applications: for AGM, Gel, Calcium, Li-ON, Lead Acid Battery of RVs, Commercial Vehicles, Boats, Yachts



**Minwe's DC-PLUS** is a compact DC-DC battery charger with solar input, specially designed for the RV market. The **DC-PLUS** battery charger offers effective charging of your caravan, 4WD or camper trailer's house battery from the towing vehicle's electrical system.

Blending both solar and auxiliary inputs, the **DC-PLUS** provides a combined charging current of up to a maximum of 20A, with a preference to solar. It features proprietary technology designed to charge from modern car alternators. Moreover, it can be used with Li-ON batteries as well as with traditional AGM, Gel, Calcium, Li-ON, Lead Acid batteries.

## Key Features

- Compact size, heavy-duty construction.
- 20A multi-stage DC-DC battery charger.
- Dual input solar/aux up to 20A.
- Multi battery chemistry selector.
- Charging status, solar priority LED indicators.
- Multiple protections for ultra safety: over-voltage Protection, over-temperature Protection, input/output reverse polarity protection.
- Memory function makes your charging more convenient.

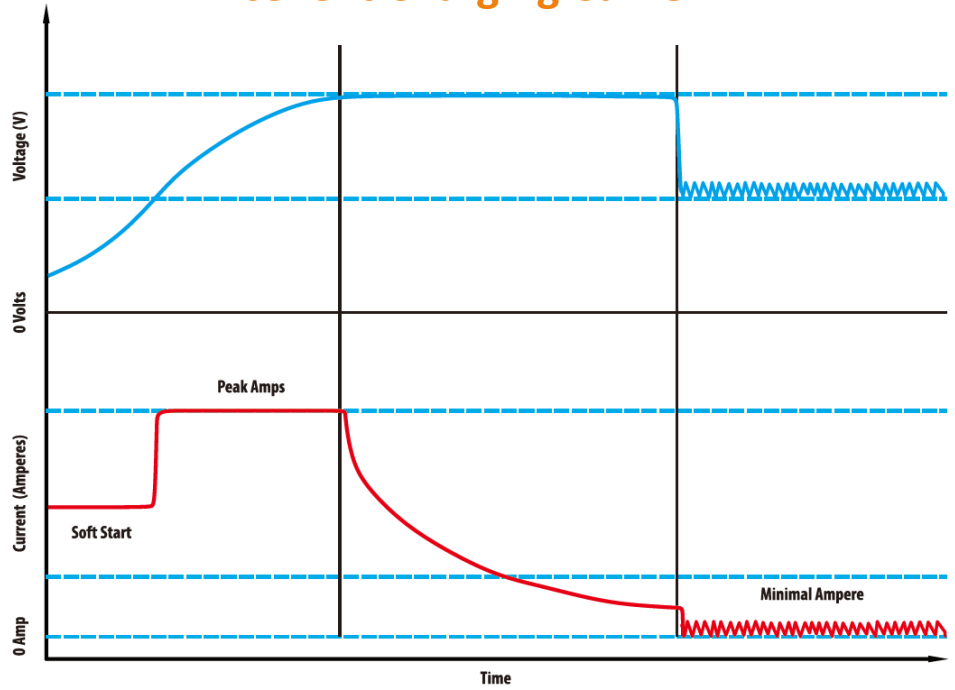
## Product Specifications

- Model No.:** DC-PLUS
- DC Input:** 12.4-16V
- Solar Input :** 16-50VDC
- Output:** AGM/Gel:29.4V / 20A  
Lead Acid/LiON:28.8V / 20A  
Calcium: 30.8V / 20A
- Float Voltage:** 27V
- Operating Temp:** -10°C~+45°C
- Unit size:** 190x160x40 mm
- IP Rating:** IP20
- Efficiency:** 85%
- Standards:** EN-61000-6-4, FCC Part 15

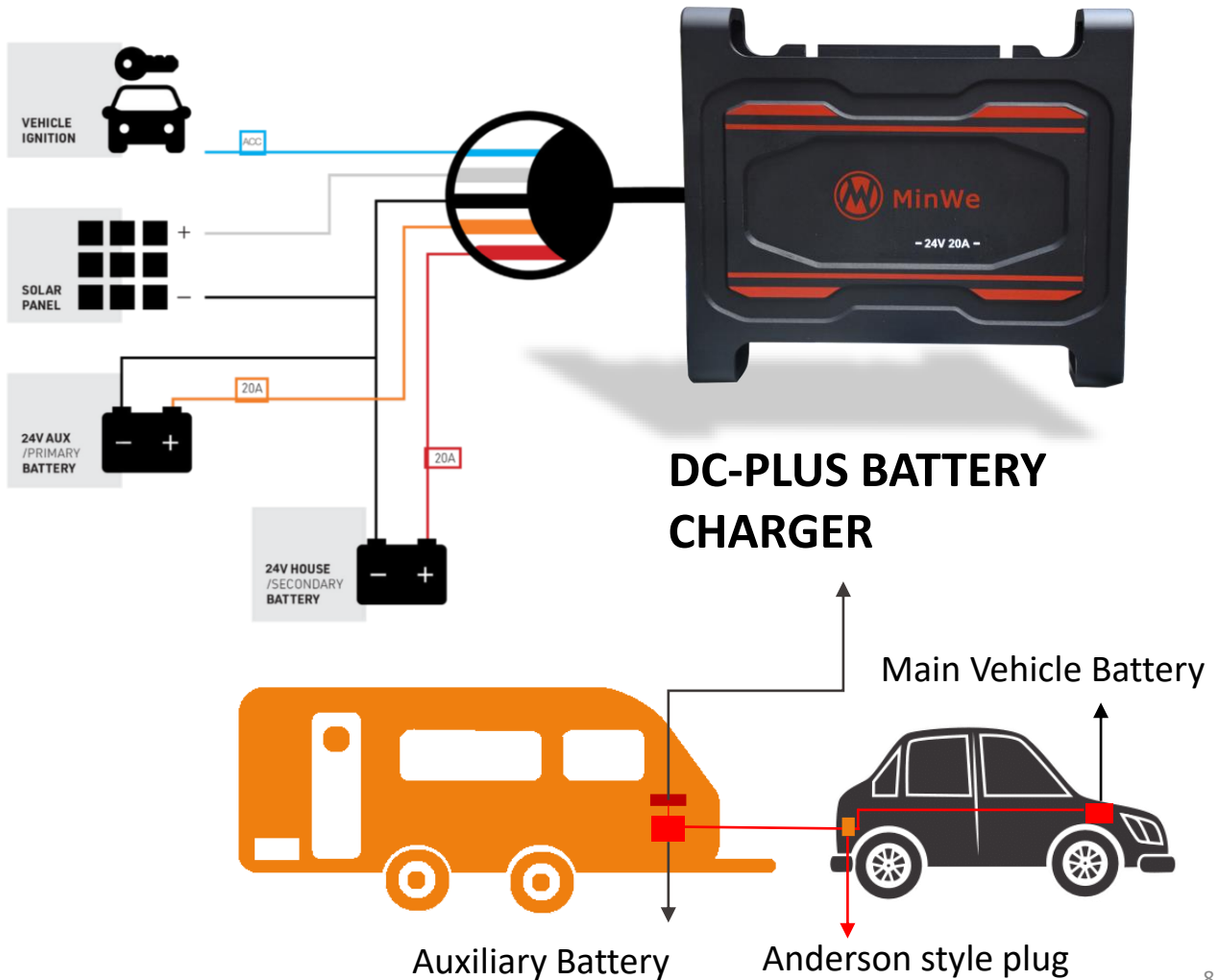


DC-PLUS DUAL  
INPUT 24V  
20A DC-DC  
INTELLIGENT  
BATTERY  
CHARGER

Excellent Charging Curve



Charging algorithm will change according to battery type



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# JUMP STARTER SERIES

- + JUMP STARTING
- + AIR PUMP
- + USB POWER

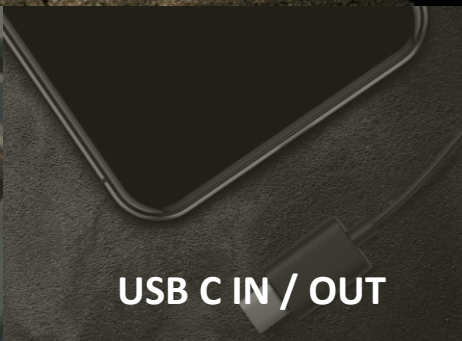


# 12000MAH MULTI-FUNCTIONAL POWER BOOSTER PACK FOR 12V VEHICLES

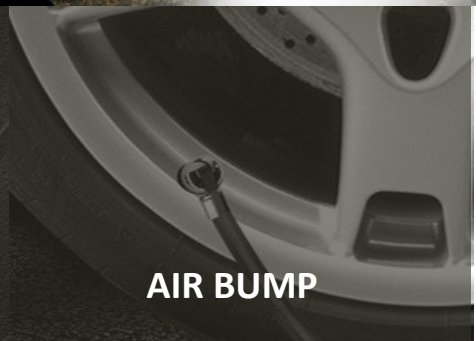
Applications:  
Gasoline Engine 8CYL ( ≤ 5.0L) Max.  
Diesel Engine 6CYL ( ≤ 5.0L) Max.



**BOOSTING**



**USB C IN / OUT**



**AIR BUMP**

## Key Features

- ⚡ High efficiency 1000A booster power for most diesel and gas engine.
- ⚡ Air compressor for car tire inflation, 100 psi max..
- ⚡ Multi-purposes LED work-light.
- ⚡ USB-A + Type-C power outlets support QC3.0 fast charge protocol.
- ⚡ Large size colorful LCD displays.
- ⚡ Type-C charging input, super fast charging is allowed/aux up to 20A.
- ⚡ Nine redundant protections
- ⚡ Battery balancing for maintaining a better battery's life span
- ⚡ Certifications: FCC, PSE, CE, RoHs

## Product Specifications

- Model No.:** JSAIR ONE  
**AC Input:** USB C, fast charging  
**Battery Capacity:** 3000mAh @ 4.2V per cell  
**Max. Crank Power:** 500A  
**Peak Power:** 1000A  
**Output:** 16V / 12000mAh  
USB A 5V @ 2.4A  
USB C 5V@3A, 9V@2A, 12V@1.5A  
**LED Torch:** 3.3W  
**Unit size:** 185x99x42 mm  
**Air Pump**  
**Air Pressure:** 100 psi max  
**Extended Hose:** 350mm

# JSAIR P02 SERIES 6,000MAH- 15,000MAH LITHIUM JUMPSTARTER WITH 2 STEP CAR TIRE INFLATOR



JSAIRP02-060

JSAIRP02-078

JSAIRP02-104

JSAIRP02-111

JSAIRP02-150

## ELECTRICAL SPECIFICATION

Material	ABS				
Battery	6000mAh (3X2000mAh)	7800mAh (3X2600mAh)	10400mAh (4X2600mAh)	11100mAh (3X3700mAh)	15000mAh (3X5000mAh)
Voltage	12V	12V	14.4V	12V	12V
Peak Amps		800A	1500A	1000A	1500A
Input	5V/2A				
Output	USB 5V/2A				
Inflation pressure	150PSI				
Air Efficiency	22L/min				
Maximum Air Volume (CFM)	300L/min				
LCD Display	Yes				
COB Light (Emergency light)	300lumens				
Pressure units	PSI, BAR				

## Accessory

Smart Boost Cable		√	√	√	√
USB Charger	√	√	√	√	√
Outer Air Hose	√	√	√	√	√
Toy Valve/Balls Valve/Air Conversion Valve	√	√	√	√	√
High Volume Hose	√	√	√	√	√
Carry Bag	√	√	√	√	√



## JSAIR P02 SERIES

### 12V High Power Jump Starter

-Peak Amps: 800A ~1500A



### Air Compressor For Balloon

Air Volume (CFM): 300L/min



### Cordless Digital Air Pump Inflator

-Inflation pressure: 150PSI

-Air Efficiency: 22L/min

# CAR BATTERY CHARGER SERIES



+ 12V / 1A

+ 6V / 1A

+ 12.8V / 1A



# MW-1201 12V/6V 1A BATTERY CHARGER

Applications:  
All SLA batteries  
LiFePo4 4S



## Key Features

- ⚡ Ideal for charging and maintaining battery with the 1A charging current for your 6V and 12V lead-acid battery, buttons selected the voltage setting.
- ⚡ 12.8V lithium mode is dedicated for the 4-string lithium iron phosphate (LiFePO4) packs.
- ⚡ 1A charging current and able to handle battery size up 100Ah for maintenance purpose.
- ⚡ 6 steps fully automatic switch mode charging.
- ⚡ LED displays: charging, full charging and Error.
- ⚡ Over-temperature protection
- ⚡ Spark free system
- ⚡ SC/OL protections
- ⚡ Polarity detection

## Product Specifications

**Model No.:** MW-1201

**Input Voltage:** 100-240V 50-60Hz

**Input Power:** 19W max.

**Output Voltage:** 6V/12V, 12.8V Selected

**Output Current:** 1A

**Battery Type:** All SLA batteries (Wet, MF, AGM, GE Land VRLA) and LiFePo4 4S

**Certifications:** CE, FCC, PROP 65

**Housing:** IP65

**Operation Temperature:** -10°C to 45 °C

**Unit size:** 81x48.3x72 mm

# MW-1201 12V/6V 1A BATTERY CHARGER

## Accessories Included:

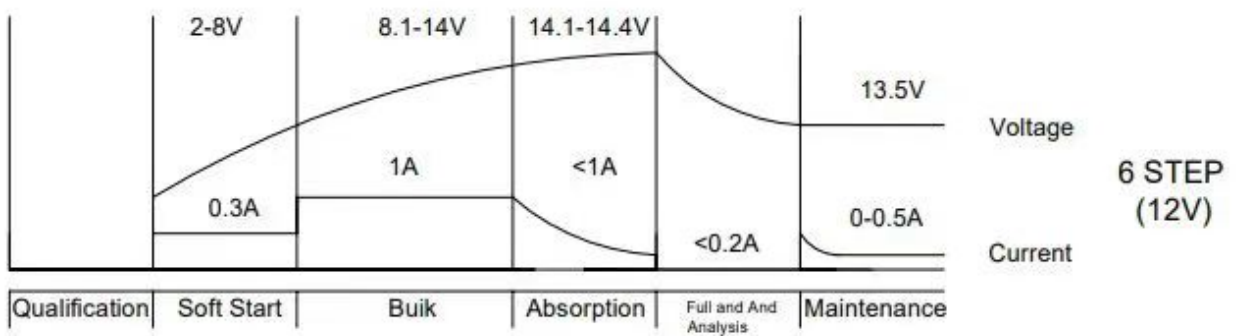
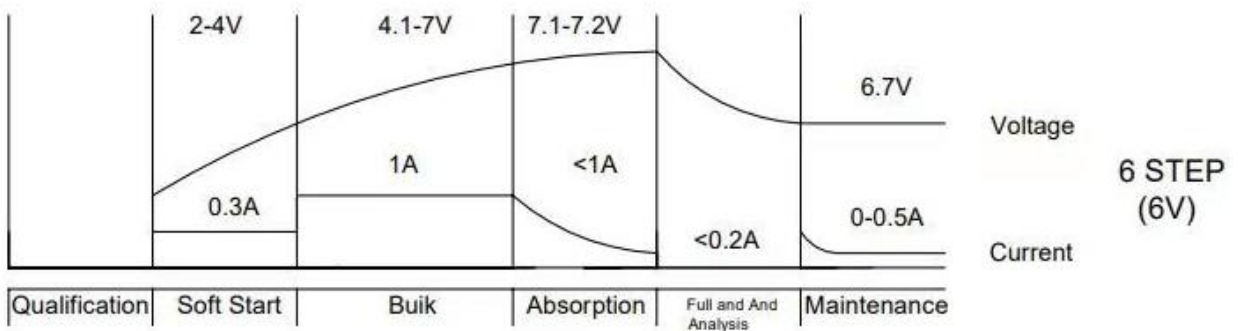
### Standard accessories



## Available plug:



## Charging Program :





# PORTABLE POWER STATION



POWER GENERATOR

# MWS01 260WH PORTABLE POWER STATION



## Key Features

- Powerful and lightweight, LCD display, Great for camping, family first aid, travel.
- Multiple output: 1 x AC outlets, 3 x DC outlets, 1 x USB-C, 1 x USB 3.0 port, 2 x USB 2.0 ports, & 1 x wireless charger which allow to power up all your appliances like refrigerator & coffee maker.
- Charging anytime anywhere, MWPS01 With MPPT controller, Solar Generator can get the maximum efficiency while solar recharging. You can also use other convenient recharging ways with wall & car outlet.
- Safety: Built in battery management system (BMS) to improve battery utilization and extend battery lifespan through short circuit protection, over current protection, over voltage protection, under voltage protection, over load protection, over temperature Protection.

## Product Specifications

- Model No.:** MWS01
- C Input:** 15V/3A, 120W Solar charging, , 12V car charger
- Battery Capacity:** 78000mAh (18650), 288Wh@ 3.7V
- AC Output:** 110V/230V, 260W
- DC Output:** 12V/10A, 24V/4A
- USB Output:** USB 3.0 X 1, USB 2.0 X 2, TYPE-C 60W X 1
- Cigarette Output:** 12V/10A
- Wireless Charger:**5W
- LED Torch:** 3W
  
- Unit size:** 210X146X157mm
- Unit Weight:** 3.2 kgs
- Carrying case size:** 286x202x205mm
- Outer box size:** 626x303x225mm

# MWS02 500WH PORTABLE POWER STATION



## Key Features

- Powerful and lightweight, LCD display, Ideal for camping, family first aid, travel.
- All-in-one portable power station: 4 x USB outlets, 2 x AC outlets, 4 x DC outlets, 1 x Cigarette outlet. Ideal for charging most of devices, such as: Smart phones, tablets, GPS, laptops, GoPro, cameras, drones and so on.
- Charging anytime any where, MWPS02 With MPPT controller, Solar Generator can get the maximum efficiency while solar recharging. You can also use other convenient recharging ways with wall & car outlet.
- Safety: Built in battery management system (BMS) to improve battery utilization and extend battery lifespan through short circuit protection, over current protection, over voltage protection, under voltage protection, over load protection, over temperature Protection.

## Product Specifications

- Model No.:** MWS02  
**AC Input:** 15V/6A, 13-22V/max 6A Solar charging, 12V car charger  
**Battery Capacity:** 140,400mAh (Ternary lithium battery), 520Wh@ 3.7V  
**AC Output:** AC X2(110V or 230V), 500W  
**DC Output:** 12V/10A X 4  
**USB Output:**  
USB 2.0 Port: 5V/3.1A X 2  
USB 3.0 Port: 5-9V/2A X 1  
TYPE-C Port: 5-9V/2A X 1  
**Cigarette Output:** 12V/10A X 1
- Unit size:** 306X200X176 mm  
**Unit Weight:** 6.4 kgs  
**Carrying case size:** 392X268X245 mm  
**Outer box size:** 556X407X270 mm

# MWS03 1000WH PORTABLE POWER STATION



## Key Features

- Powerful and lightweight, LCD display, Great for camping, family first aid, travel.
- Multifunctional super power: 4 AC outlets, 10 x USB outlets, 3 x DC outlets, 1 x cigarette port, 2 x USB-C outlets. Make your travel full of power. Charge smartphones, laptops, cameras, fans, lamps & other road trip essentials.
- Fast charging with various charging methods: AC power fast charging speed, 8 -10 hours; 25.6V/6A AC desktop charger, 36-50V/max 6A solar panel charging. Ready to use, plug-and-charge.
- Safety: Built-in BMS with short-circuit protection, over-current protection, over-voltage protection, overload protection and overheat protection. When the unit temperature rises, the intelligent cooling system will automatically turn on. Low-noise, gas-free solar generator design makes it more environmentally friendly.

## Product Specifications

- Model No.:** MWS03
- AC Input:** 25.5V/6A, 36-50V/max 6A Solar charging
- Battery Capacity:** 327,600mAh (LiFePO<sup>4</sup>), 1048Wh@ 3.2V
- AC Output:** AC X 4, 1000W
- DC Output:** 12V/7A X 2
- USB Output:**
  - USB 2.0 Port: 5V/3.1A X 8
  - USB 3.0 Port: 5~9V/2A X 2
  - TYPE-C Port: 5~9V/2A X 2
- Cigarette Output:** 12V/7A X 1
  
- Unit Size:** 394X213X287 mm
- Unit Weight:** 16.3 kgs
- Carrying case size:** 480X310X363 mm
- Outer box size:** 498X325X390 mm

# **HOME SOLAR & ENERGY STORAGE SYSTEM**



# 8-12KW MWI01 GRID TIED INVERTER FOR RESIDENTIAL AND COMMERCIAL

## Key Features

- Maximum efficiency:97.6%
- Independent two-way MPPT
- Max. charging / discharging current: 240A
- DC coupling and AC coupling to existing solar system



## Technical Data Home Solar & Battery System

Technical Data	MWIO1-8K	MWIO1-10K	MWIO1-12K
<b>Battery Input Data</b>			
Battery Type		Li-ion	
Battery Voltage Range (V)		40~60	
Max. Charging / Discharging Current (A)	190	210	240
<b>PV String Input Data</b>			
Max. PV Input Power (W)	10.4	13	15.6K
Max. DC Input Voltage (V)		800	
MPPT Range (V)		150~800	
Start-up Voltage (V)		160	
Nominal DC Input Voltage (V)		550	
Max. Input Current (A)	2X3	34+17	34+17
Max. Short Current (A)	2X17	34+17	34+17
MPPT Tracker / Strings	2/1+1	2/2+1	2/2+1
<b>AC Output Data (On-grid) &amp; EPS Output</b>			
Rated Output Power ( KW )	8	10	12
Max. Apparent Power Output to Utility Grid (KVA)	8.8	11	13.2
Rated Output Current (A)	12.1	15.2	18.2
Grid Voltage Range (V)	400 / 380, 3L / N / PE		
Frequency (Hz)	50 / 60		
THDu	<3%		
Overload Capacity	110%, 30S/120%, 105/150%, 0.025		
<b>Efficiency</b>			
Max Efficiency	97.60%		
Europe Efficiency	97.00%		
MPPT Efficiency	99.90%		
<b>Protection</b>		<b>General Data</b>	
Anti-islanding Protection	Integrated	Operation temperature	-25°C~60°C
PV String Input Reverse Polarity Protection	Integrated	Relative Humidity	0~95% (non-condensing)
Insulation Resistor Detection	Integrated	Operating Altitude	≤2,000m
Residual Current Monitoring Unit	Integrated	Cooling	Nature Convection
Output Over Current Protection	Integrated	User interface / Display	LCD & APP
Output Short Protection	Integrated	Communication	RS485 / Wifi / CAN
Output Over Voltage Protection	Integrated	Weight	34.5 Kg
Grid Regulation	EN50549-1/G99/VDE-AR-N 4105:2018, VDE0124:202	Size (W*H*D)	422*702*281mm
Safety Regulation / EMC	IEC/EN62109-1/-2, IEC/EN61000-6-1/-3	Protection Degree	IP65
		Standby Self Consumption	<15W



**MinWe**

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**惠州市明玮电子科技有限公司**  
**MinWe Electronic Technology Co., Ltd.**

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