

Lk-power

State of the Art

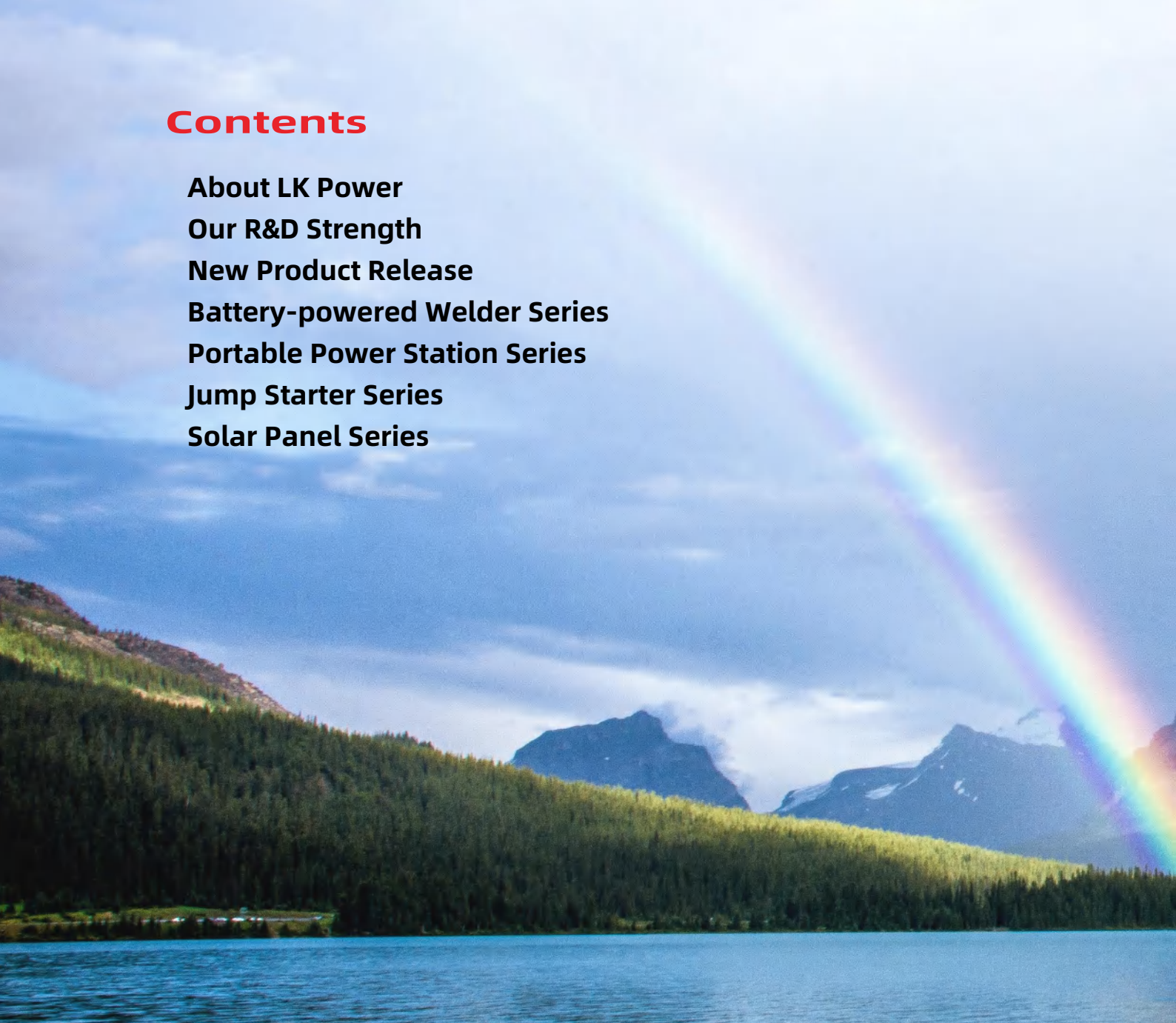
Battery-powered Devices



POWER YOUR WORLD

Contents

- About LK Power
- Our R&D Strength
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- Battery-powered Welder Series
- Portable Power Station Series
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Eco-friendly



Portable



Safe



About LK Power

Suzhou LK Power Electronics Technology Co., Ltd., founded in 2015, is a technology company dedicated to innovative applications in the new energy field. We specialize in researching, producing, and selling innovative products in the segmented market of new energy lithium batteries, establishing ourselves as the preferred global brand in portable power solutions.

Milestones

2015

Company Incorporated

2018

Announced The World's 1st
Battery-powered Welder

2021

Global Business Expansion
Enhanced R&D Capacities

2023

Enhancing Brand Exposure
Worldwide

2017

LKPOWER Brandname
Published

2019

Launched High-end Portable
Power station

2022

Launched the World's 1st 3 in1
Battery-powered Welder

Our R&D Strength

Our exceptional Research and Development team boasts an impressive expertise in the realm of cutting-edge and eco-friendly lithium battery pack design, processing, and production, with over 60 patents held.

Patents and Intellectual Property

- ✧ Portable Inverter Arc Welding System
- ✧ DC Contactor and Its Driving Circuit
- ✧ A High-Power Portable Lithium Battery Pack for Electric Tools
- ✧ High-Power Portable Electrical Appliances and Power Control Device
- ✧ A High-Stability Battery Cell Module
- ✧ A Portable Inverter Arc Welding System Based on Lithium Battery Pack

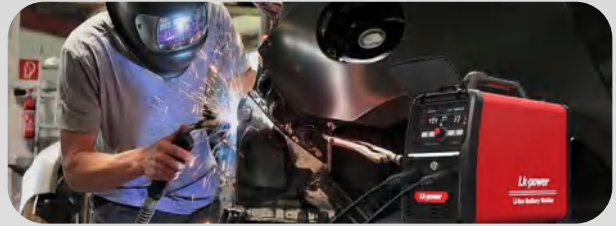
And more...

Battery-powered Welders

Construction



Automotive



Manufacturing



Energy



Repair Services



Agriculture



Emergency Relief



Portable Power Stations

Water Proof



Dust Proof



Home Backup



Power On-the-Go



CPAP



New Product Release

▼ **W50 Multi-function AC Power Station & Welding Machine**



- ▶ IP 54
- ▶ AC 3000W
- ▶ AC Output & Welding Integrated
- ▶ Retractable Pull Rod & Roller
- ▶ Replaceable Battery Pack x2

▼ **Smart Energy Management Platform**



Battery Health Management



Welding Management



Power Side Energy Storage



Cloud Management

New Product Release

▼ EARTH II DEF - Portable Power Station



▼ Color Options



- ▶ IP 54
- ▶ Water Proof & Dust Proof
- ▶ LED Light Strip
- ▶ Power Conversion System/2000W
- ▶ Aluminum Alloy Box
- ▶ Compatible Interface Layouts
- ▶ APP Management Platform

▼ Stackable Expansion of Battery Capacity



→ P2000 - Expansion Battery

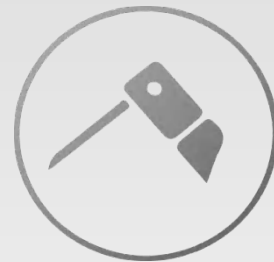
- ▶ Expanding Capacity Easily
- ▶ Easy Transportation
- ▶ Highly Flexible



New Product Release

**3-in-1 LFP Battery Welder****LK-180MH****MMA**

> Welding Current: 20~160A

**TIG**

> Welding Current: 30~180A

**MIG**

> Welding Current: 50~180A



LK-180MH >> 3-in-1 Battery-powered Welder



Protective Cover



> Front Panel



Ergonomic Handle



LCD Display



> Back Panel



Built-in Fast Charger



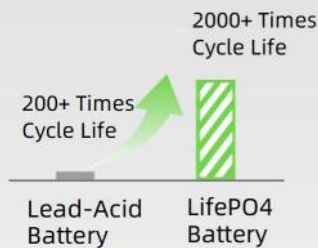
Dust Filter Mesh



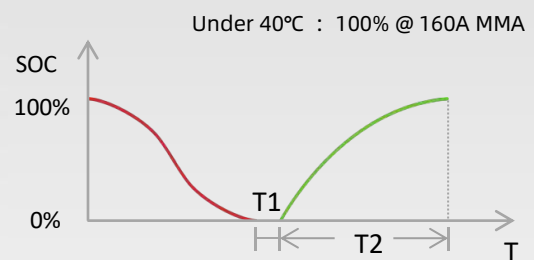
Rubber Foot Pad

Our R&D Capacity

▼ LiFePO4 Battery



▼ Effective Recharge Rate



▼ BMS



Reverse Charge Protection



Clamped High Voltage Protection



Low °C/°F Protection



Low Voltage Protection



Overcharge Protection



Balance Protection

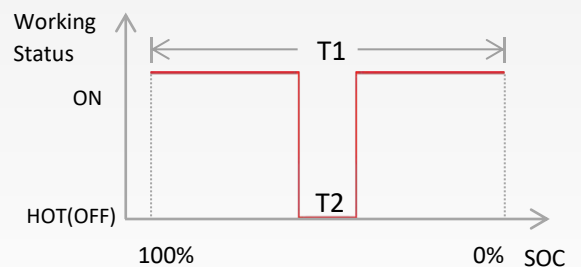


Short Circuit Protection



High °C/°F Protection

▼ MMA Duty Cycle



Under 40°C : 90% @160A 100% @140A
 Under 25°C : 100% @160A

New Product Release

Battery-powered Welder ECONOMY

⚡ ECO-180 SX

⚡ ECO-180MH

⚡ ECO-150MH



▲ No Compromise in Quality



▲ AC Output & Welding Integrated



**SAVE
MONEY**

**More
Flexible**

Easy to Use



▲ Lighter than LK Series

New Product Release

Portable Power Station ECONOMY

⚡ PLUTO I LIGHT

⚡ PLUTO I PRO

⚡ PLUTO II



▲ New Appearance Option



▲ A Good Choice for Hiking



▲ Multiple Economy Options



**SAVE
MONEY**

**More
Flexible**

Easy to Use

Battery-powered Welder Series



Our Technology



Built-in LiFePO4 Battery



2000 Times Cycle Life



4 Charging Options



1h Rapid Dual Charging



BMS(10-Level Protection)



Intelligent Fan Control



Benefits

The most optimal situations to utilize the battery-operated welding machine can provide peace of mind through its portability, independence, emergency preparedness, versatility, and cost efficiency:

a. A Peace of Mind



b. Emergency Use



c. High Mobility



Specifications

> High Performance Product Line



LK-150MD	LK-180MF	LK-180MH	W50
Battery Type LiFePO4	Battery Type LiFePO4	Battery Type LiFePO4	Battery Type LiFePO4
Capacity 400.95Wh	Capacity 623.7Wh	Capacity 801.9Wh	Capacity 3840Wh
Weld Mode MMA/TIG/MIG	Weld Mode MMA/TIG/MIG	Weld Mode MMA/TIG/MIG	Weld Mode MMA
Output Current DC 20-140A MMA DC 30-150A TIG DC 50-150A MIG	Output Current DC 20-160A MMA DC 30-180A TIG DC 50-180A MIG	Output Current DC 20-160A MMA DC 30-180A TIG DC 50-180A MIG	Output Current DC 20-160A MMA
AC Charging 1.5-2hrs	AC Charging 1.1-1.2hrs	AC Charging 1.5-2hrs	AC Charging 2-2.5hrs
Solar Panel Charging 1hr	Solar Panel Charging 1.5hrs	Solar Panel Charging ≥ 2.2hrs	Solar Panel Charging 10hrs
Discharging Temperature Range -10°C~60°C	Discharging Temperature Range -10°C~60°C	Discharging Temperature Range -10°C~60°C	Discharging Temperature Range -10°C~60°C
Battery Life Cycle 2000 Times Max	Battery Life Cycle 2000 Times Max	Battery Life Cycle 2000 Times Max	Battery Life Cycle 2000 Times Max
Protection Class IP 23	Protection Class IP 23	Protection Class IP 23	Protection Class IP 54
No-load Voltage 40-53V	No-load Voltage 40-53V	No-load Voltage 40-53V	No-load Voltage 40-53V
Weight 12.5KG	Weight 16KG	Weight 18.7KG	Weight 70KG
Dimension 357*217*362mm	Dimension 437*211*374mm	Dimension 437*211*374mm	Dimension 587*318*554mm
Welding Capacity J422-φ3.2-350mm *5-6 PCS J422-φ2.5-350mm *10-11 PCS	Welding Capacity E4303-φ4.0-400mm * 4-5 PCS E4303-φ3.2-350mm * 7-8 PCS E4303-φ2.5-350mm * 17-18 PCS	Welding Capacity E4303-φ4.0-400mm *5-6 PCS E4303-φ3.2-350mm *10-11 PCS E4303-φ2.5-350mm *20-21 PCS	Welding Capacity E4303-φ4.0-400mm *25-30 PCS E4303-φ3.2-350mm *50-55 PCS E4303-φ2.5-350mm *100-110 PCS

Standard Accessories



MMA Accessories



Specifications

> Economy Product Line



ARC-140I	ARC-160I	ECO-150ME	ECO-180MG	ECO-180SX
Battery Type Li-ion	Battery Type LiFePO4	Battery Type LiFePO4	Battery Type LiFePO4	Battery Type LiFePO4
Capacity 604.8Wh	Capacity 801.9Wh	Capacity 547.2Wh	Capacity 1094.4Wh	Capacity 2496Wh
Weld Mode MMA	Weld Mode MMA	Weld Mode MMA/TIG/MIG	Weld Mode MMA/TIG/MIG	Weld Mode MMA
Output Current DC 40-130A MMA	Output Current DC 20 -160A MMA	Output Current DC 20-80A MMA DC 30-160A TIG DC 50-140A MIG	Output Current DC 20-160A MMA DC 30-180A TIG DC 50-180A MIG	Output Current DC 20-160A MMA
AC Charging 1.5hrs	AC Charging 1.5-2hrs	AC Charging 1.5-2hrs	AC Charging 2-2.5hrs	AC Charging 2.5-3hrs
Solar Panel Charging —	Solar Panel Charging ≥ 2.2hrs	Solar Panel Charging ≥ 1.5hrs	Solar Panel Charging ≥ 2.5hrs	Solar Panel Charging ≥ 6.5hrs
Discharging Temperature Range -10°C~60°C	Discharging Temperature Range -10°C~60°C	Discharging Temperature Range -10°C~60°C	Discharging Temperature Range -10°C~60°C	Discharging Temperature Range -10°C~60°C
Battery Life Cycle 500 Times-1000 Times	Battery Life Cycle 2000 Times Max	Battery Life Cycle 2000 Times Max	Battery Life Cycle 2000 Times Max	Battery Life Cycle 2000 Times Max
Protection Class IP 23	Protection Class IP 23	Protection Class IP 23	Protection Class IP 23	Protection Class IP 23
No-load Voltage 70V±10V	No-load Voltage 40-53V	No-load Voltage 40-53V	No-load Voltage 40-53V	No-load Voltage 40-53V
Weight 15.5KG	Weight 17.5KG	Weight 12KG	Weight 18KG	Weight 26.5KG
Dimension 466*193*379mm	Dimension 434*241*366mm	Dimension 357*217*362mm	Dimension 465*217*380mm	Dimension 598*211*374mm
Welding Capacity E4303-φ4.0-400mm *4-5 PCS E4303-φ3.2-350mm *7-8 PCS E4303-φ2.5-350mm *15-16 PCS	Welding Capacity J422-φ4.0-400mm *5-6 PCS J422-φ3.2-350mm *10-11 PCS J422-φ2.5-350mm *20-21 PCS	Welding Capacity J422-φ2.5-350mm *12-14 PCS	Welding Capacity J422-φ4.0-400mm *7-6 PCS J422-φ3.2-350mm *14-15 PCS J422-φ2.5-350mm *26-28 PCS	Welding Capacity E4303-φ4.0-400mm *16 PCS E4303-φ3.2-350mm *25 PCS E4303-φ2.5-350mm *55 PCS

TIG Accessories

MMA Accessories

+



TIG Welding Torch

MIG Accessories

TIG Accessories

+



MIG Welding Spool Gun

Portable Power Station Series



Our Technology



LiFePO4 Battery



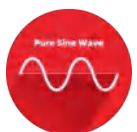
Multiple Charging Options



2000-4000 Times Cycle Life



Power at Least 9 devices



Pure Sine Wave

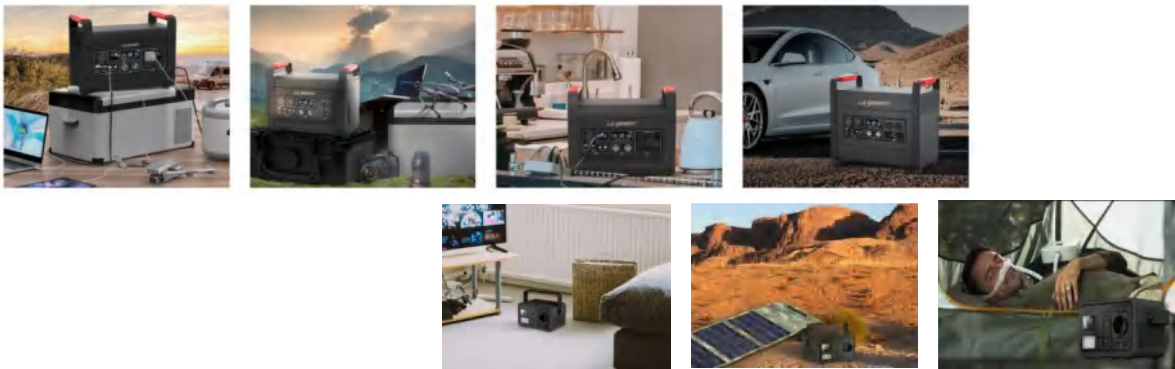


Patented BMS Technology



Benefits

Portable power station was born from creation and innovation. It features the power inverter and LiFePO4 battery pack, which is enough to power your essentials on the road or during power outages. Fast recharge by AC, solar and car. Automotive LiFePO4 BMS keeps your safety.



Specifications



MARS I 1000W	MARS I PRO 1500W	MARS I PLUS 2000W	MARS II 3000W	EARTH II DEF
Battery Type	Battery Type	Battery Type	Battery Type	Battery Type
LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Capacity	Capacity	Capacity	Capacity	Capacity
960Wh	1344Wh	1536Wh	1920Wh	1728Wh
AC Charging	AC Charging	AC Charging	AC Charging	AC Charging
1.5-2hrs(Rapid)	2.5-3hrs(Rapid)	3-3.5hrs(Rapid)	3.5-4hrs(Rapid)	1.2hrs
Solar Panel Charging	Solar Panel Charging	Solar Panel Charging	Solar Panel Charging	Solar Panel Charging
2-3hrs	3-4hrs	3.5-4.5hrs	4-5hrs	4-4.5hrs
12V Car Charge	12V Car Charge	12V Car Charge	12V Car Charge	12V Car Charge
8-9hrs	11-12hrs	12-13hrs	15-16hrs	14-15hrs
USB Port	USB Port	USB Port	USB Port	USB Port
5V/2.4A (2 Ports)	5V/2.4A (2 Ports)	5V/2.4A (2 Ports)	5V/2.4A (2 Ports)	5V/2.4A (2 Ports)
USB-QC Port	USB-QC Port	USB-QC Port	USB-QC Port	USB-QC Port
65W (Max)	65W (Max)	65W (Max)	65W (Max)	65W (Max)
USB-Type-C Port	USB-Type-C Port	USB-Type-C Port	USB-Type-C Port	USB-Type-C Port
PD 100W	PD 100W	PD 100W	PD 100W	PD 100W(2 Ports)
Cigarette Lighter Port	Cigarette Lighter Port	Cigarette Lighter Port	Cigarette Lighter Port	Cigarette Lighter Port
12V/10A	12V/10A	12V/10A	12V/10A	12V/10A
DC Port	DC Port	DC Port	DC Port	DC Port
12V/10A (2 Ports)	12V/10A (2 Ports)	12V/10A (2 Ports)	12V/10A (2 Ports)	12V/10A(2 Ports)
LED Light	LED Light	LED Light	LED Light	LED Light
2W (2PCS)	2W (2PCS)	2W (2PCS)	2W (2PCS)	3W
Battery Life Cycle	Battery Life Cycle	Battery Life Cycle	Battery Life Cycle	Battery Life Cycle
2000 Times Max	2000 Times Max	2000 Times Max	4000 Times Max	2000 Times Max
Weight	Weight	Weight	Weight	Weight
14.5KG	18.85KG	20.85KG	30.75KG	20KG

Specifications



PLUTO I LIGHT	PLUTO I	PLUTO I PRO	PLUTO II
Battery Type	Battery Type	Battery Type	Battery Type
Li-ion	Li-ion	Li-ion	Li-ion
Capacity	Capacity	Capacity	Capacity
155Wh / 194Wh	222Wh	224.64Wh	518Wh
AC Output	AC Output	AC Output	AC Output
150W	200W	200W	500W
DC Output	DC Output	DC Output	DC Output
9-12.6V/14.5A Max	9-12.6V/10A (15A Max)	12-16.8V/15A Max	12-16.8V/14.5A Max
USB-A Output	USB-A Output	USB-A Output	USB-A Output
5V/2.4A	5V/2.4A	5V/2.4A	5V/2.4A
USB-QC Output	USB-QC Output	USB-QC Output	USB-QC Output
18W	18W	18W	18W
USB-Type-C Output	USB-Type-C Output	USB-Type-C Output	USB-Type-C Output
PD18W	PD18W	PD18W; PD60W	PD18W
Input Charging	Input Charging	Input Charging	Input Charging
DC15V/3A; Solar Panel: MPPT, 14V-22V, 3A Max	DC15V/3A; Solar Panel: MPPT, 14V-22V, 3A Max	DC18V/5A; Solar Panel: MPPT, 11V-27V, 5A Max	DC24V/5A; Solar Panel: MPPT, 11V-27V, 7.5A Max
Cigarette Lighter Output	Cigarette Lighter Output	Cigarette Lighter Output	Cigarette Lighter Output
—	—	—	DC5521 12-16.8V/14.5A
LED Lighting	LED Lighting	LED Lighting	LED Lighting
Flashlight/Blink/SOS	Flashlight/Blink/SOS	Flashlight/Blink/SOS	—
Battery Life Cycle	Battery Life Cycle	Battery Life Cycle	Battery Life Cycle
1000 Times Max	500 Times Max	1000 Times Max	1000 Times Max
Dimensions(LWH)	Dimensions(LWH)	Dimensions(LWH)	Dimensions(LWH)
195*90*171mm	210*139*123*180mm	210*139*123*180mm	305*168*240mm
Weight	Weight	Weight	Weight
1.89KG	2.4KG	2.4KG	6.6KG

Jump Starter Series



PANDA II
 12V JUMP STARTER
 + POWER BANK



PANDA I
 12V JUMP STARTER
 + POWER BANK

Our Technology

- ▶ Patented BMS Technology
- ▶ DC Contactor
- ▶ Powerful Portable Parallel
- ▶ Bright flashlight and SOS Strobe
- ▶ Specially designed clamp futures pure copper tooth which provides high electrical conductivity and reduces heat

Benefits



Large Displacement Engine Companion



Specifications

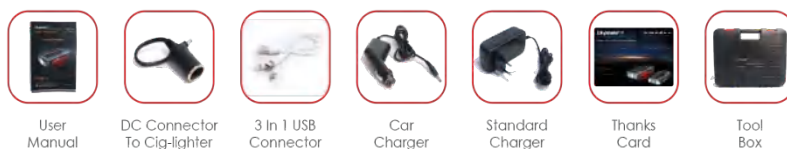


PANDA I 1200A	PANDA II 2000A
Battery Type	Battery Type
Li-ion	Li-ion
Capacity	Capacity
57.7Wh	111Wh
AC Charging	AC Charging
5-6hrs	5-6hrs
Cranking Amp	Cranking Amp
600A	1000A
Peak Amp	Peak Amp
1200A	2000A
Gas Engine up to	Gas Engine up to
5.0L+	8.0L+
Diesel Engine up to	Diesel Engine up to
3.0L+	6.0L+
Dimension	Dimension
244*119*56mm	286*185*69mm
Using Cycles	Using Cycles
40 time starts in one charge	60 time starts in one charge
Net Weight	Net Weight
0.9KG	2.1KG
Certificates	Certificates
CE, RoHS, MSDS, UN38.3	CE, RoHS, MSDS, UN38.3

ACCESSORY



ACCESSORY



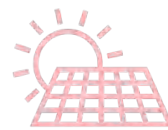
Solar Panel Series



Benefits



Lightweight & Portable



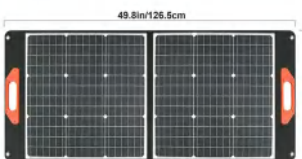
Charging Anywhere



Durable & Long Service Life



High-Temperature Resistance



Specifications

▼ UB-100W



▼ 100W



▼ UB-200W




▼ 200W



UB-100W	UB-200W	100W	200W
Fold size	Fold size	Fold size	Fold size
63.2×58cm	56×54.5×4cm	53.5×41.9×3cm	56×54.5×4cm
Expansion size	Expansion size	Expansion size	Expansion size
126.5×56cm	235×54.5×2cm	130×53.5×1 cm	235×54.5×2cm
Efficiency	Efficiency	Efficiency	Efficiency
≥22%	≥22%	≥22%	≥22%
Open Circuit Voltage	Open Circuit Voltage	Open Circuit Voltage	Open Circuit Voltage
24V	>22V	>21.5V	>22V
Short Circuit Current	Short Circuit Current	Short Circuit Current	Short Circuit Current
>6A	>12.2A	>6A	>12.2A
Working Current	Working Current	Working Current	Working Current
>5.56A	>11.1A	>5.56A	>11.1A
Material	Material	Material	Material
single-crystal Silicon	single-crystal Silicon	single-crystal Silicon	single-crystal Silicon
Certifications	Certifications	Certifications	Certifications
FCC、CE、ROHS、CA65	FCC、CE、ROHS、CA65	CE	CE
Weight	Weight	Weight	Weight
2.9KG	6.9KG	2.7KG	6.9KG



LK-Power's Patent Wall

TECHNOLOGY IS KING 

INNOVATION IS THE FOUNDATION



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