PORTABLE
SOLAR POWER SYSTEM

500W/1000W/1500W

500W POWER SYSTEM

1000W POWER SYSTEM

1500W POWER SYSTEM

PRODUCT OVERVIEW

This product is a portable multi-function energy storage power bank featuring a built-in high-efficiency power LiFePO4 battery, a secure battery management system (BMS), and an efficient MPPT controller and inverter. Encased in a robust metal shell, it offers mains charging capabilities, along with the advantages of being lightweight, compact, and high-powered. These features combine to provide customers with a convenient source of mobile energy.

Charge multiple devices at the same time:
2*USB output (5V/4A), 2*220V AC socket, 2*DC port output (12V), Type-C: 30W*2PCS,support charging multiple devices at the same time. Power your phone, laptop, tablet, lamp, fan, projector, car refrigerator, CPAP machine, drone, switch, camera, etc.

PRODUCT PANEL FUNCTION INTRODUCTION

Handle

AC Output Socket

AC ON/OFF

LED Switch

LED Light

Type-c Output Port

USB 5V Output Port

Battery Indicator

AC Voltage Displayer

12VDC Output Port

MULTIFUNCTION IN ONE SYSTEM

PRODUCT DESCRIPTION

This solar power system has a unique flashlight design that can also be used as a flashlight during power outages and emergencies.

Upgraded high-capacity, 365 days of range with recharge and discharge protection.

LED Light

Large Capacity Is More Durable

Multiple Charging Ports

The solar system is equipped with multiple charging ports: AC, USB, and car charger ports, providing AC and DC output in two different voltage modes, which can supply power to multiple devices at the same time to meet your various needs;

BATTERY SPECIFICATION

BATTERY GUARANTEE OF QUALITY

DesignLife	6-8 years		
Nominal Voltage	12.8V	25.6V	25.6V
Nominal Capacity	48AH	48AH	60AH
Self-Discharge			
Operation Temperature Range			
Discharge	-20~60℃		
Charge	-10~60℃		
Storage	-20~60℃		
Max.Discharge Current 77°F(25℃)	100A(5s)		
Short Circuit Current	50A		

1 Battery Cells

High-end battery cells keep every cell's voltage, resistance, capacity, discharging always in sync.

2 Battery Protector

High precision IC keep performance more stable protect over load, over charge, over discharge, short circuit, over voltage, over current keep battery pack always safe and long life span.

3 Precision Welding Machine

Fully automatic precision welding machine can ensure that every battery can be welded firmly to prevent the danger of short circuit or power failure.

4 Aging Test Machine

every battery pack need to thorough charging and discharging test by the aging test machine to keep 100% qualified.

PRODUCT SPECIFICATION

Model	DQ1208A500-53
Inverter Power	500W
Solar Panel Advised capacity	18V 90W (Solar panel is not included)
Battery Type	12.8V 48AH, LiFePO4
DC Output	12V 5A, 2PCS
AC Output	220V 50Hz
USB Output	5V 4A, 2PCS
Type-C	30W*2PCS
Luminous Efficacy	160 lm/w
LED Lifespan	50000 hours
Material	Metal
Product Size	285*194*267 (System Host)
Warranty	3 Years

267mm

194mm   285mm

33.5cm

57cm   35.5cm
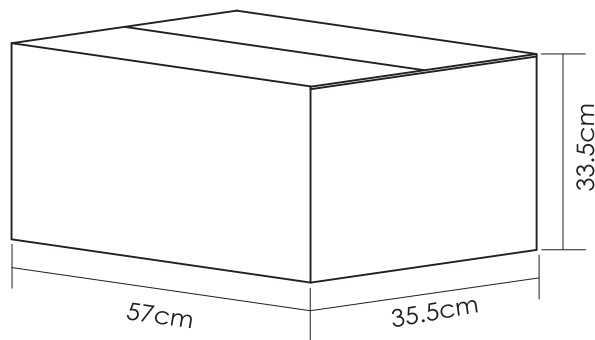
PACKAGING SPECIFICATION

P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN(KGS)
		L	W	H			
DQ1208A500-53	500W	57.00	35.50	33.50	2	0.0678	23.10

PRODUCT SPECIFICATION

Model	DQ1208B1000-55
Inverter Power	1000W
Solar Panel Advised capacity	36V 180W (Solar panel is not included)
Battery Type	25.6V 48AH, LiFePO4
DC Output	12V 5A, 2PCS
AC Output	220V 50Hz
USB Output	5V 4A, 2PCS
Type-C	30W*2PCS
Luminous Efficacy	160 lm/w
LED Lifespan	50000 hours
Material	Metal
Product Size	390*200*280 (System Host)
Warranty	3 Years

280mm

200mm 390mm

31.5cm

44cm 29cm
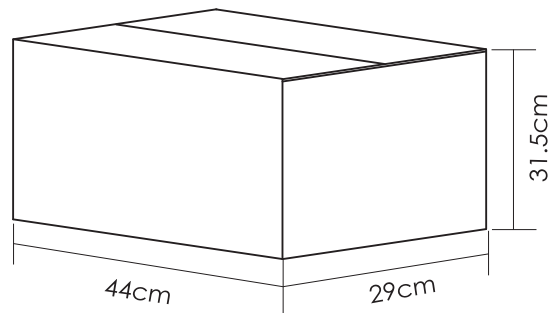
PACKAGING SPECIFICATION

P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN(KGS)
		L	W	H			
DQ1208B1000-55	1000W	44.00	29.00	31.50	1	0.0402	17.50

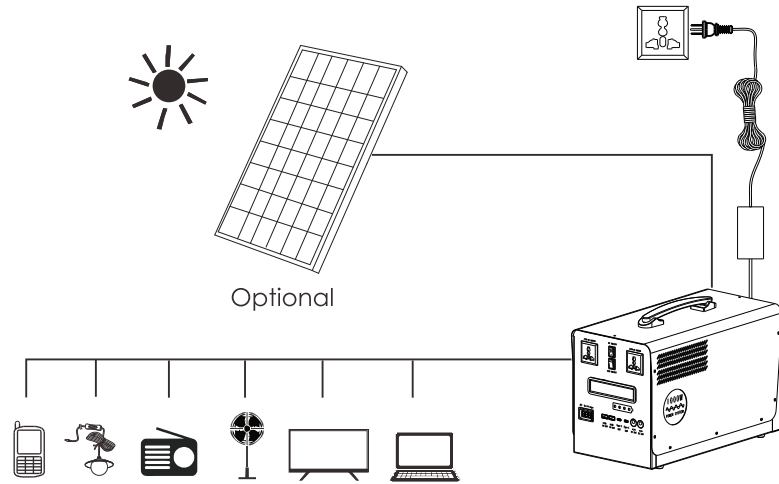# PRODUCT SPECIFICATION

Model	DQ1208C1500-51
Inverter Power	1500W
Solar Panel Advised capacity	36V 325W(Solar panel is not included)
Battery Type	25.6V 60AH, LiFePO4
DC Output	12V 5A, 2PCS
AC Output	220V 50Hz
USB Output	5V 4A, 2PCS
Type-C	30W*2PCS
Luminous Efficacy	160 lm/w
LED Lifespan	50000 hours
Material	Metal
Product Size	490*200*315 (System Host)
Warranty	3 Years

315mm

200mm

490mm

34.5cm

54cm

29cm
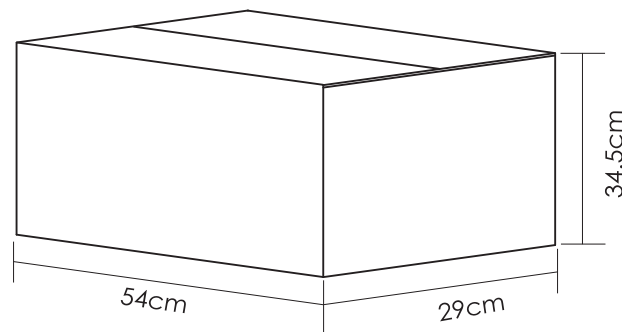
PACKAGING SPECIFICATION

P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN(KGS)
		L	W	H			
DQ1208C1500-51	1500W	54.00	29.00	34.50	1	0.0540	20.40

CONNECTION DIAGRAM

Optional

Product panel function introduction

AC 0utput Socket

AC ON/OFF

LED Switch

LED Light

USB 5V Output Port

AC Voltage Displayer

Type-c Output Port

DC Input Port

Solar Charging Port

DC Input Port
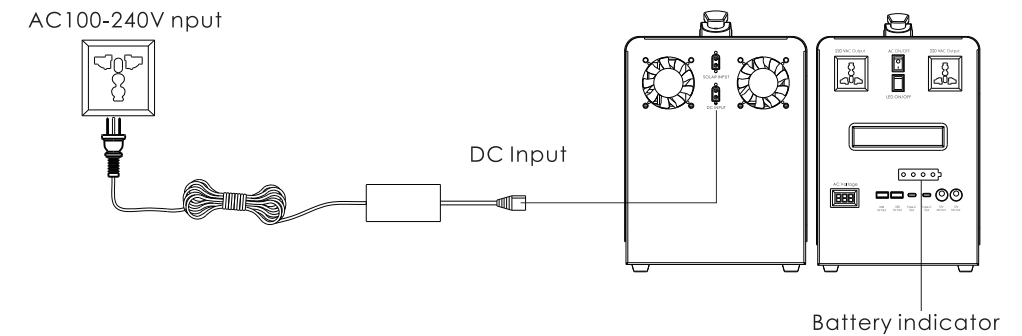
Battery indicator
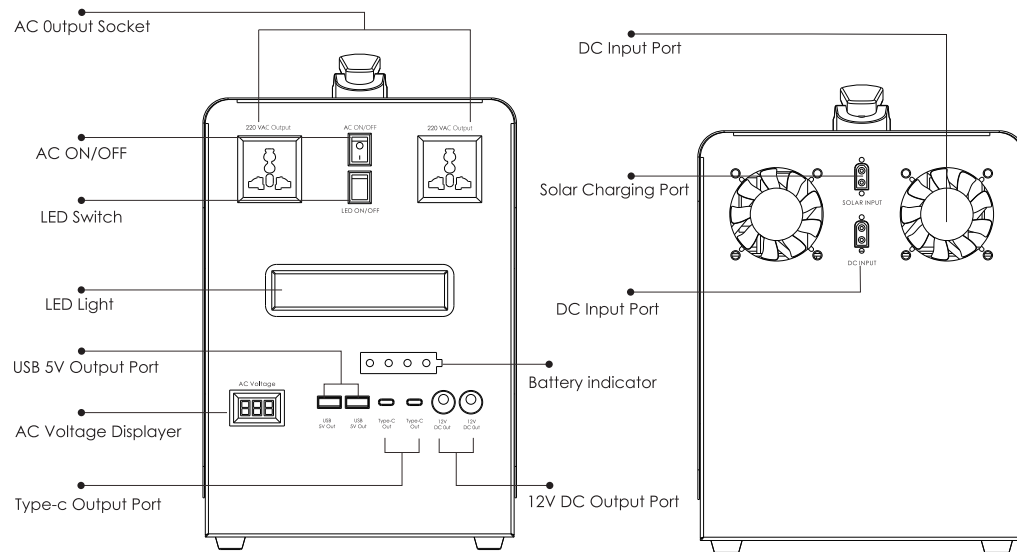
12V DC Output Port

INTRODUCTION TO CHARGING

a. Mains charging
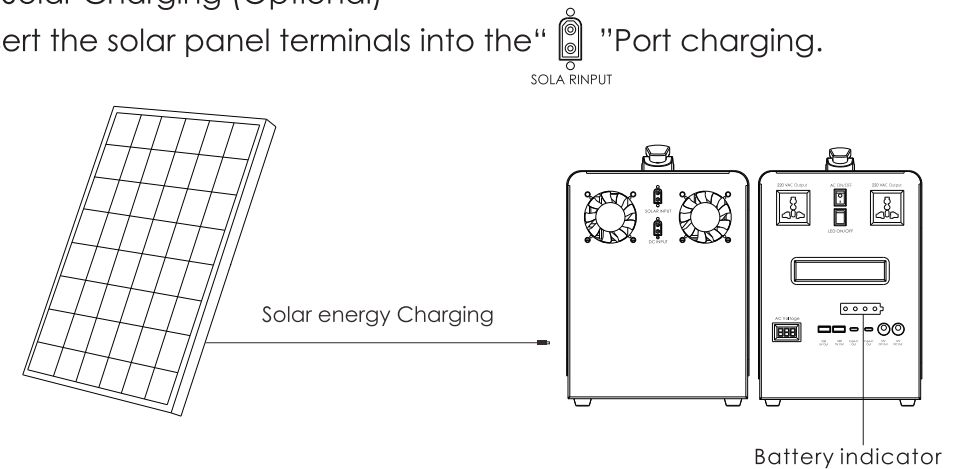
STEP1 Put the AC input plug of the adapter into the mains

STEP2 Put the DC output terminal of the adapter into the "DC input" port onthe host.

AC100-240V nput

DC Input

Battery indicator

b. Solar Charging (Optional)

Insert the solar panel terminals into the" "Port charging.

SOLA RINPUT

Solar energy Charging

Battery indicator

APPLICATION

APPLICATION

It's a portable solar power system which is reliable energy source for many applications such as lighting. radios, fans, TVs, computers, refrigerators. The USB port is compatible with all 5V-USB charging devices. It can also be used as a backup power source in emergency situations.