

# RichardSolo®

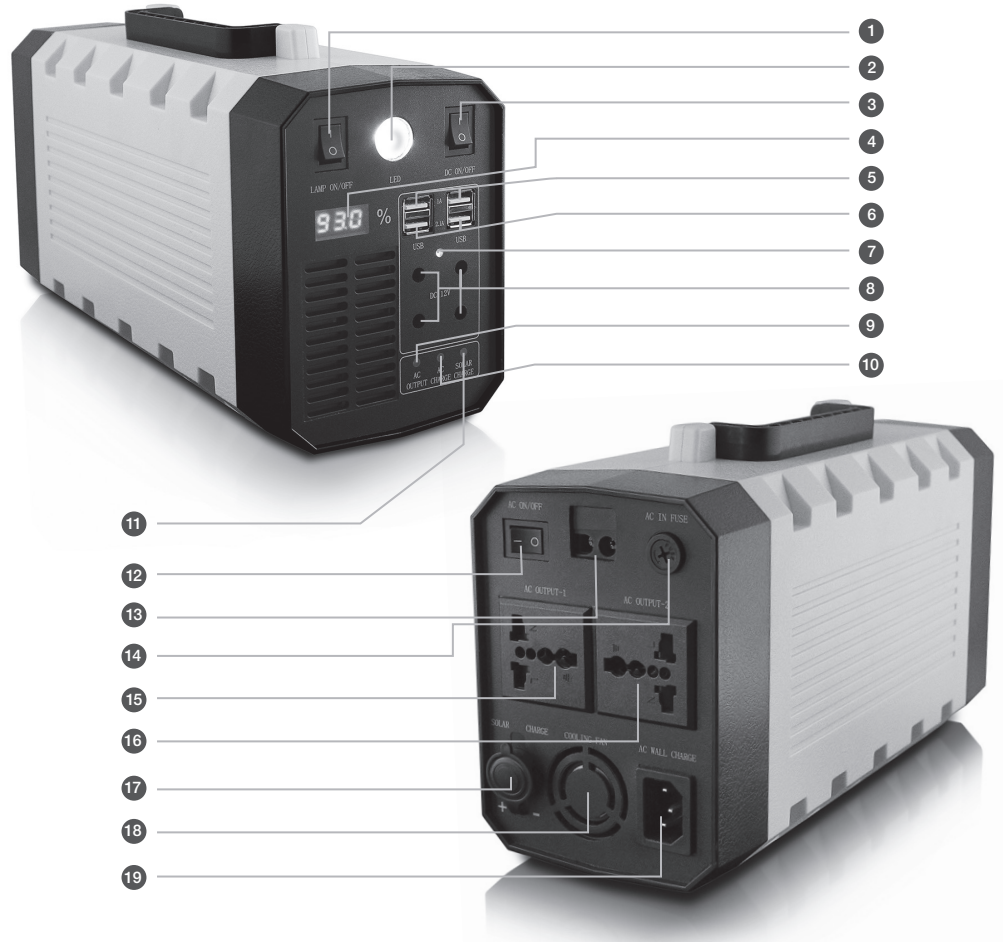
## DT100 30000 mAh 4-USB/AC/DC Power Supply with Jump Starter

### INSTRUCTION MANUAL

Thank you for purchasing the **RichardSolo 30000 mAh 4-USB/AC/DC Power Supply**. Please read these instructions before operation and save for future reference.

### Battery Layout

- 1 Lamp (flashlight) ON/OFF switch
- 2 LED flashlight
- 3 DC ON/OFF switch
- 4 LED digital display
- 5 USB ports 1A (x2)
- 6 USB ports 2.1A (x2)
- 7 DC output indicator LED
- 8 DC 12V ports (x4)
- 9 AC output indicator LED
- 10 AC charge indicator LED
- 11 Solar/DC charge indicator LED
- 12 AC ON/OFF switch
- 13 Jump-start connector port
- 14 AC IN fuse (8A)
- 15 AC (110/220V) universal output 1
- 16 AC (110/220V) universal output 2
- 17 Solar/DC charge connector port
- 18 Cooling fan
- 19 AC wall charge (110/220V) connector port



### Included Parts/Accessories

- 20 AC power cable
- 21 DC (12V) car power cable
- 22 Jump-start cables
- 23 USB charge cable with micro-USB/Lightning connectors
- 24 12V power connector cable
- 25 LED high-powered lamp
- 26 Instruction manual



### 3 ways to charge 30000 mAh 4-USB/AC/DC Power Supply with Jump Starter:

#### 1 AC power cable

- Connect AC power cable (20) to AC wall outlet
- Connect power cable to AC wall charge connector port (19)
- AC charge LED (10) glows red while charging – glows green when fully charged
- Remove cable when fully charged - (about 5-6 hours)

#### 2 DC (12V) car cable

- Connect DC 12V car cable (21) to a powered 12V cigarette lighter port in vehicle
- Use 12V only – not compatible with 24V systems
- Connect power cable to Solar/DC charge connector port (17)
- Solar/DC charge LED (11) glows red while charging – glows green when fully charged
- Remove cable when fully charged - (about 6-8 hours)

#### 3 Solar (18V) port

- Connect your own MC4 cable adapter to an 18V 80-100W solar panel (not included)
- Connect opposite end of MC4 cable adapter to Solar/DC charge connector port (17)
- Solar/DC charge LED (11) glows red while charging – glows green when fully charged
- Remove cable when fully charged - (about 14-16 hours in direct sunlight)

#### Note:

- **IMPORTANT:** Wait for AC charge LED (10) or Solar/DC charge LED (11) to glow green to ensure full charge capacity has been reached.
- Recharge every 3 months in storage. It's a good idea to top up the charge as often as you want – keeping it fully charged is fine. No need to wait till depleted.

### Check remaining battery capacity:

- 1 Press on DC ON/OFF (3) or AC ON/OFF switch (12)
- 2 LED digital display (4) illuminates showing remaining power supply capacity 0 -100%
- 3 Press switch again to turn off display

### Charge smartphones, tablets, etc.

- 1 Plug USB charge cable (23) to USB 2.1A port (6)
- 2 Choose appropriate connector and plug into your micro-USB or Apple Lightning device
- 3 LED digital display (4) illuminates showing remaining Power Supply charge capacity
- 4 Press DC ON/OFF switch to ON position (3)
- 5 Monitor charge via charge icon or LED on device
- 6 When charge is complete, remove cable and switch off Power Supply
- 7 If left connected, Power Supply continues to safely trickle charge device

#### Note:

- Use 2.1A port (6) for larger devices: tablets + smartphones, music players, small tablets, etc.
- Use 1A port (5) for smaller devices: smartphones, music players & small tablets.
- Use included USB charge cable or USB cable included with your own device.
- Included USB charge cable can charge more than one smaller device at a time via 2.1A USB port (6) using type-C, Apple 8-pin Lightning, or micro-USB connectors. Charge times may take longer in this mode.

### 12V battery jump-start instructions

- 1 Connect jump-start cables (22) to jump-start connector port (13)
- 2 Blue connector plug must be secure and fully seated within the port
- 3 Connect RED cable clamp to positive (+) battery terminal on vehicle
- 4 Connect BLACK cable clamp to negative (-) battery terminal on vehicle
- 5 Start vehicle
- 6 When motor starts, remove clamps immediately from battery terminals - leave motor running

#### Note:

- Maximum cranking power: 400A
- For 12V systems only – DO NOT use with 24V battery systems
- For best performance when starting vehicles, use Power Supply at 75% charge capacity or higher.
- DO NOT jump-start vehicles with Power Supply at 30% or less charge capacity to avoid damage to Power Supply battery.
- DO NOT connect jump-start cable clamps to wrong +/- battery terminals – RED = (+) positive / BLACK = (-) negative .
- DO NOT connect jump-start RED/BLACK cable clamps together

- Make sure jump-start cable clamps are connected securely to battery terminals
- Always remove clamps within 30 seconds after motor starts
- Check battery terminals for rust, dirt and corrosion before using jump-start cables – clean if necessary to avoid poor performance.
- DO NOT jump-start again after 3 attempts to avoid damaging Power Supply – check for other vehicle issues .

### LED high-powered lamp:

- 1 Connect LED lamp (25) to 12V DC port (8)
- 2 ON/OFF: press DC ON/OFF switch (3) to power lamp
- 3 Hang lamp via built-in hook to illuminate room, tent, work, picnic area, etc.

### Power devices / small AC appliances:

- 1 Check the wattage on your device / small appliance – maximum total wattage cannot exceed 400-500W for devices & small appliances
- 2 Connect AC power cord from device/small appliance to AC Output 1 or 2 (15/16)
- 3 Switch Power Supply AC ON/OFF (12) to ON position
- 4 AC output indicator LED (9) glows green
- 5 LED digital display (4) shows remaining Power Supply capacity
- 6 Switch on device or appliance
- 7 When finished, switch Power Supply AC ON/OFF (12) to OFF position

#### Note:

- If single device or combined output for 2 connected devices exceeds 400-500W, Power Supply enters protection mode and will stop functioning.
- To reset Power Supply, switch OFF and remove overload source, then reconnect with less wattage requirements.
- If power overload occurs, check AC IN fuse port (14) and replace with 8A fuse if needed.

## How long will your device / small appliance run?:

- Power Supply is rated at 333 Watt hours.
- Find the wattage for your device / appliance and divide 333 by your wattage. Example: Your device appliance = 60W.  $333W \div 60 =$  about 5.5 hours run time.

## Uninterruptible Power Supply (UPS) for desktop/notebook computers:

- 1 Connect AC power cord from computer to AC universal output 1 or 2 (15/16) on Power Supply
- 2 Connect AC power cable (20) from wall outlet to AC connector port (19) on Power Supply case
- 3 Switch Power Supply AC ON/OFF (12) to ON position
- 4 AC output indicator LED (9) glows green
- 5 Power ON the computer
- 6 Under normal usage, computer is powered via AC while Power Supply battery charges via AC
- 7 When a power outage occurs, Power Supply automatically switches to backup mode and continues powering desktop computers for 3-5 hours / notebook computers for 8-9 hours

**Note:** UPS provides battery backup, power protection (using sine wave output), and surge protection for desktop computers, workstations, networking devices, and home entertainment systems. This battery backup unit provides sufficient emergency runtime power to allow for safe closure of open files and proper shut down of electronics when an outage occurs.

## Specifications:

Power supply measures: 11.4" x 4.25" x 6.75"  
(29.0 x 10.8 x 17.15 cm)

Power supply weighs: 8 lb 5 oz (3.77 kg)

Battery: lithium-ion 12V / 30000 mAh / 333 Wh

Output USB: 2.1A (x2); 1A (x2)

Output DC: 12V (x4)

Output AC: 110V 60Hz / 220V 50Hz

AC output: rated 400W / max 500W

Output waveform: pure sine wave

LED lamp: 1W - 3W max

Input: 12V DC; 18V 100W solar; AC:  
110/60Hz; AC220/50Hz

Max current: 20A – 12V car electronic products

UPS conversion time:  $\leq 25MS$

Solar input charging voltage: 18V 80W-100W

Overload / short circuit protection fuse: 8A

Operating temp: 14-104 F (-10-40 C)

AC cord length: 6 ft (183 cm)

DC cord length: 46" (116.8 cm)

Jump-start cable length: 8" (20.3 cm)

12V cable length: 24" (60.1 cm)

USB/micro-USB/Lightning cable length:  
7" (17.8 cm)

LED lamp cable length: 76" (193 cm)

## Package Contents

- 30000 mAh 4-USB/AC/DC Power Supply with Jump Starter
- AC power cable
- DC power cable
- Jump-start cables
- USB cable with micro-USB/Lightning connectors
- 12V power cable
- LED high-powered lamp
- Instruction manual

## Safety Instructions:

Read all instructions and notes prior to using this product. Failure to read and follow safety instructions could result in fire, explosion, electrical shock or other hazard causing serious and/or fatal injury and/or property damage.

1. Do not modify, disassemble, open, drop, crush, puncture, or shred this product
2. No serviceable parts are inside
3. Do not expose this product to rain or water
4. Avoid excessive heat (open flame, sunlight, etc.)
5. Do not store in locations where temperature may exceed 158 degrees F (70C)
6. Charge Power Supply only via AC or DC car adapter (included) or by solar (not included)
7. Charge Power Supply in ambient temperatures between 14-104 degrees F (-10-40C)
8. Do not use near flammable liquids, gasses, or dust
9. Keep product away from children