



## PowerShield DC UPS

PSDCMin12/18

Quick Guide

### 1. Package Contents

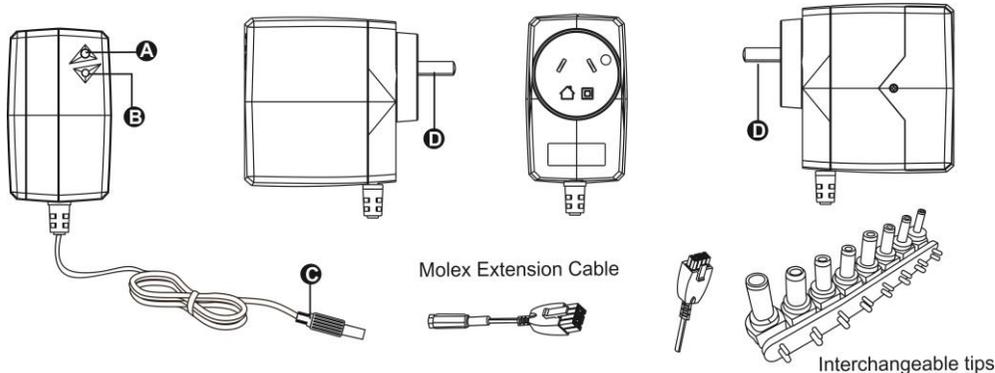
Thank you for purchasing the PowerShield 12V DC 18W Mini UPS (PSDCMin12/18).

Please check for the following items inside of the packaging:

- PowerShield PSDCMin12/18 DC UPS adaptor with a wide variety of DC connectors
- Quick Guide

If anything is missing or damaged, please contact your dealer.

### 2. Product Overview



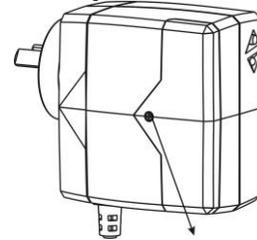
**A** Restart/OFF Button  
**B** LED indicator

**C** DC output with a wide variety of interchangeable tips  
**D** AC input

### 3. Installation and Operation

Please inspect the PSDCMin12/18 for any damage before installation.

**Battery Access:** Battery cover screw is located under the manufacturing date code label.



Battery Cover access screw



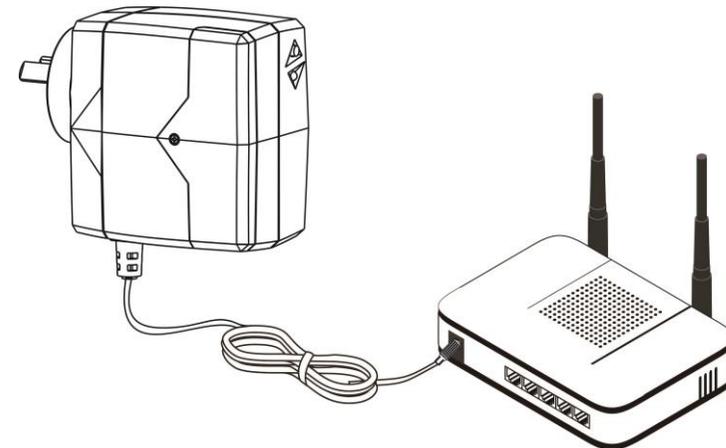
Rechargeable Lion

#### Connecting to Utility and Charging

The PSDCMin12/18 will automatically turn on when **(D)** is plugged into the powered wall socket. The PSDCMin12/18 will turn on and switch on the green LED. If the battery is not fully charged, the DC UPS will auto charge the battery and the green LED will flash on/off until fully charged.

#### Connecting the Loads

Insert the desired DC connector in the DC output adaptor **(C)** of the PSDCMin12/18 and connect to the load. The connected 12VDC device will then be protected up to a maximum power of 18 Watt by the PSDCMin12/18.



#### Restart/OFF Button Operation

If the PSDCMin12/18 experiences overload, it enters fault mode and switches the RED LED ON. Remove the fault by disconnecting the load and press restart button to restart the UPS. To turn OFF the DC UPS, unplug from the wall outlet, press the OFF button and hold for 5 seconds.

## LED Indication

This LED is a two-color indicator: green or red color depending on operation status.

Status	Color	On/Flash
Power on with battery fully charged.	Green	On
Power on with charging the battery.	Green	Slow Flash
UPS is on but power failure occurs. UPS will transfer to backup mode and battery is discharging.	Green	Quick Flash
Any fault occurs on UPS.	Red	On

## 4. Applications

The DC UPS is designed for indoor use to provide emergency power backup to all kinds of 12V DC-powered equipment up to a maximum power of 18 Watt such as routers, modems, set-top box, VOIP phone systems, surveillance system, alarm system, access control system and many critical telecom equipment.

## 5. Important Safety Warning (PLEASE SAVE THESE INSTRUCTIONS)

**To safely operate this DC UPS, please read and follow all instructions carefully.**

**Read this manual thoroughly before attempting to unpack, install, or operate.**

**Please keep this quick guide for further reference.**

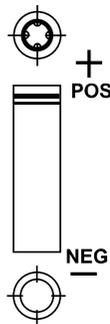
**CAUTION!** Do NOT use this device in hot and humid environments.

**CAUTION!** Do NOT disassemble this product.

**CAUTION!** If the battery level is low, please recharge battery immediately.

**CAUTION!** When installing or replacing a new battery, be sure positive (+) and negative (-) are correctly connected. Otherwise, DC UPS will be damaged.

**CAUTION!** Replace the Lithium-ion battery with the same type as stated in specifications.



## 6. Trouble Shooting

Use the table below to solve minor problems.

Problem	Possible Cause	Solution
Red LED is on.	Overload or short circuit occurs on UPS and UPS transfers to fault mode.	Remove fault (disconnect load). Press button for more than 1 second and release to restart unit.
Battery backup time is shorter than nominal value.	Battery is far too low.	Contact your dealer for a replacement battery.
No output and LED indicator is off.	Internal fault has occurred.	Contact your dealer.

## 7. Specifications

MODEL	PSDCMin12/18
<b>AC INPUT</b>	
Voltage Range	90 VAC ~ 264 VAC
Frequency	50 or 60 Hz
Surge protection	125J @ 4500A
<b>DC OUTPUT</b>	
Voltage	12VDC ± 5%
Max. Power	18W (1.5A)
<b>BATTERY</b>	
Type	Lithium-ion Battery
Nominal Voltage	3.7VDC
Capacity	2600mAh
Typical Charging time	3 hours recover to 90% capacity
<b>PHYSICAL</b>	
Input Plug	Mounted on housing (Australia/New Zealand)
Output cable	2m cable with user selectable DC Male Jacks
Dimension, L x W x H (mm)	76.2 x 46 x 78.8
Net Weight	280g

## 8. Approximate Load versus Battery Back-up Run Times

Load (Watts)	Load (%)	Approximate Time on battery (in Minutes)
4	22	114
9	50	49
13	72	32
18	100	15