

# PowerDolly™

Wherever you are, getting power to where you need it can be a challenge. Getting it to a remote location or simply where you can't have any trailing cables can be even more difficult. Until now!

**Battery capacity**

5.000 WH (LiFePO4)

**Battery recharge**

&lt;4h (90%)

max. 3.600W (16A socket)

**Max. power**

2.000W (2.5 hours)

**Max. load**

200 kg



Let the PowerDolly solve your remote power issues! From film sets to stages, corporate events to a deck at sea and everywhere in between, the Robe patented PowerDolly™ is the simple solution to get power wherever you need it.

Weighing 80 kg, the PowerDolly™ provides a stable, firm platform allowing load of up to 200 kg, perfect for all types of loads from lights to sound gear to LED screens.

Designed for all round protection in all environments, PowerDolly™ features IP65 ingress protection. For the rigours of touring and location work, the unit has IK07 impact protection rating.

Selected for their high safety, long cycle life and extra stability, the LifePO4 battery within the PowerDolly™ delivers long-lasting 5.000 WH power. Generating 2.000W for 2.5 hours, or over 300W for 16 hours, you have plenty of time available to power whatever you wish.

Recharging the battery requires an input voltage of 120-240V using a maximum input of 3.600W. Recharge time is under 4 hours to 90%. Solar panel charging is also available if needed.

For the mounting of truss and lights, custom-fit fixture and truss mounting brackets are available. The wheels feature brakes, with optional wheel clearance fixings to improve handling. An off-road wheel choice for difficult terrain is also available.

External LED indicators offer a visual check of Power In, Power Out, Charging, Temperature and Wireless DMX. For servicing, an internal display delivers additional details.

In line with the cableless environment, PowerDolly™ features in-built Wireless CRMX technology for stable DMX communication.

**PowerDolly™ - Power where you need it**

# Technical Specification

## Electrical specification and connections

- AC production:
  - AC Output: 2.000W
  - Battery Capacity: 5.000 WH (LiFePO4)
  - AC output voltage: 230 VAC  $\pm$ 1%
  - Frequency: 50/60 Hz
  - Type of signal: Pure sinus
- Recharge:
  - Input Voltage: 120V, 60Hz or 185-240V, 50Hz
  - Max charging power: 3.600 W (on 16A socket)
  - Recharge time: <4h (90%)
- Connectors:
  - AC Output: 2x Power connector IP67 PowerCon True1
  - AC Input: Power connector IP67 PowerCon True1
  - DC input (SOLAR): LP-20
  - DMX and RDM data out: IP67 Locking 5-pin XLR connector
- Solar Panels:
  - Max PV power: 1.600 W
  - MPP voltage range: 10 VDC - 145 VDC
  - Max input voltage: 145 VDC
  - Max current PV: 20 A
- Battery runtime:
  - Usage time at 300W: >16 h
  - Usage time at 500W: 10 h
  - Usage time at 1000W: 5 h
  - Usage time at 2000W: 2.5 h

## Control and programming

- Built-in display: LCD Display for input and output voltage indication, frequency, load percentage, PV voltage and current, working mode, fixture status
- Wireless CRMX™ technology from Lumen Radio
- Battery status:
  - Battery Level indication
  - Battery Temperature indication

## Thermal specification

- Maximum ambient temperature: 45°C (113°F)
- Maximum surface temperature: 80°C (176°F)
- Minimum operating temperature:
  - -10°C (14°F) - inverted mode
  - -20°C (68°F) - charger mode
- Total heat dissipation

## Noise Levels

- Sound pressure level:
  - 20 dB(A) at 1 m (inverter mode)
  - 30 dB(A) at 1 m (charger mode)
- Sound power level:
  - 26 db(A) (inverted mode)
  - 36 db(A) (charger mode)

## Mechanical specification

- IP rating: IP65
- IK Rating: IK07
- Height: 163 mm (6.4")
- Width: 750 mm (29.5")
- Depth: 750 mm (29.5")
- Weight: 79 kg (174 lbs)
- Load capacity: 200 kg
- Fixation option: Wheels brakes

## Rigging

- Mounting positions: Floor standing
- Mounting points:
  - 8x M12 mounting points for universal and custom bracket
  - 8x 1/4-turn locking points for fixture mounting bracket or truss mounting bracket

## Included items

- User Manual
- Daisy Chain powerCON TRUE1 In/Out, EU or US, 0,90m, Outdoor

## Optional accessories

- Fixture mounting bracket
- Truss mounting bracket
- Single Top Loader Case
- Offroad wheels

## Approvals

- CE Compliant
- cETLus Compliant

## Legal

- PowerDolly™ is a Trademark of Robe lighting s. r. o.
- PowerDolly™ is patented by Robe lighting s. r. o. and is protected by one or more pending or issued patents