



FREEWAY RANGE OWNERS MANUAL



All Powakaddy electric trolleys
have been awarded the Quiet Mark
by the Noise Abatement Society

Thank you for purchasing the new PowaKaddy. We hope you enjoy your new trolley and welcome your feedback and comments. Please read these instructions carefully. Battery care is very important, please refer to the Section 6 for battery care instructions. When you receive your new PowaKaddy you will have the following.

1 x Trolley | 1 x Battery | 1 x Charger | 2 x Wheels | 1 x Instruction pack



IMPORTANT- you must fully charge your battery before using your trolley. Always recharge your battery within 24 hrs of use. Failure to do so could reduce the life of your battery. See section 6 Battery Care for further information.

Note: Your Lithium or Lithium Extended battery is stored in the frame for transportation. Remove the battery and activate using the isolation button located on the underside of the battery. The green LED must be illuminated when using the trolley and during charging. (See Section 2 Plug'n'Play™ for battery removal)



1 Getting Started

Fit the wheels by pressing the black release button and pushing onto the axle until the clutch is engaged. The wheels can be locked into two positions on the axle; push onto the inner groove to engage drive. The outer groove can be used when drive is not required. To open the frame, slide the main lock (highlighted red below) forward to release the handle latch and open as shown below.



2 PLUG 'N' PLAY™

Your Freeway trolley features an innovative Plug'n'Play™ battery system including sprung terminals and a locking feature to maintain power connection over uneven terrain. Once your battery is charged and trolley assembled connect your battery as shown.

- Engage the rear of the battery first.
- Press the front until the battery clips into position. The trolley's power will automatically be connected.

To remove the battery depress the front latch and lift the front of the battery out.

Note: The Lithium battery can be stored within the tray for transportation. Please ensure you de-activate the battery using the isolation button located on the underside. Leaving your battery on with the Green LED illuminated could lead to your battery discharging or trolley activating during transportation.



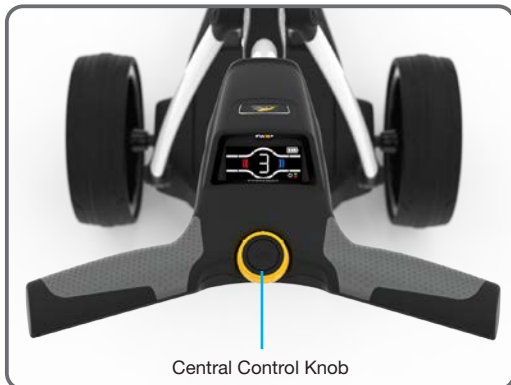
3 Front Wheel Adjustment

Your trolley will already be pre-set to run straight. If you find your trolley tracking to the left or right you can re-adjust this by releasing the front wheel lever and rotating the adjustment roller. Rotate up to make your trolley track more to the LEFT and rotate down to track more to the RIGHT. Once you are happy the trolley is running straight re-apply the lever to lock in position.



4 Controls Overview

FW3s



Once your battery is connected your trolley is ready to use. The control functions for each model are detailed below.

Note: The Freeway Range now includes a power save mode as standard on all models to extend the life of your battery. If you have the trolley powered and do not use the trolley for more than 20 mins, the display will automatically power off to save energy. When you are ready to move off simply press or move the control dial on the handle to wake up the display.

The FW3s simple and intuitive controls feature a bright wide screen display and enhanced battery gauge.

Central Control Knob: Turn to control the speed of the trolley in normal operation. Press to pause and resume at your selected speed.

Power Indicator:

Displays whether power is being applied to the drive system.

ON  
OFF 

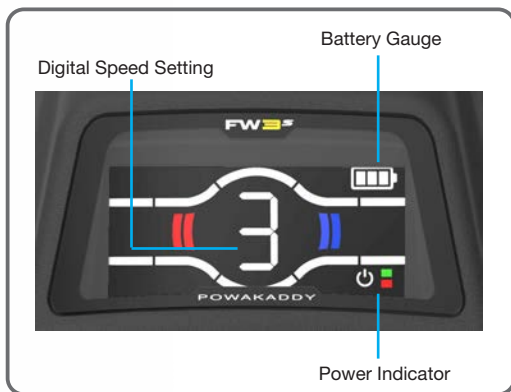
The light will illuminate red on start up to indicate the motor power condition as off. Press the on / off control in the centre to power the motor on and the green light will illuminate. Rotate the central control knob clockwise to increase and counter-clockwise to decrease the speed.

Digital Speed Setting:

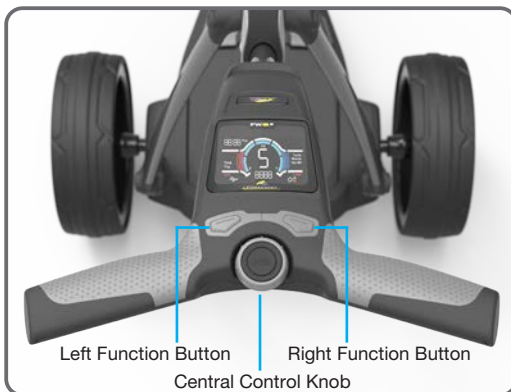
Rotate the central control knob to adjust the speed of the trolley from 0 - 9 when the motor is powered on. Press central control knob to pause and resume your selected speed.

Enhanced Battery Gauge:

Displays your battery status.



FW5s



The all new stylish FW5s features a bright colour multi-function display packed with additional features to enhance your game.

Central Control Knob: Turn to control the speed of the trolley in normal operation. Press to pause and resume at your selected speed.

Power Indicator:

Displays whether power is being applied to the drive system. (green/red)

ON  
OFF 

Digital Speed Setting:

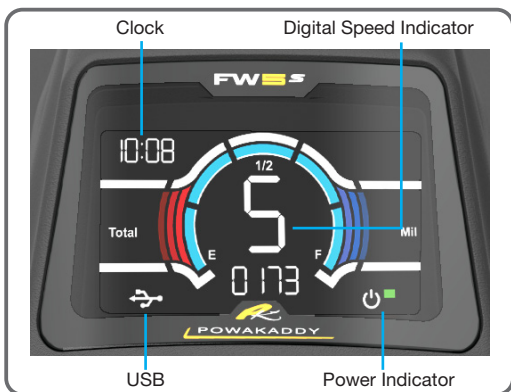
Rotate the central control knob to adjust the speed of the trolley from 0 - 9 when the motor is powered on. Press central control knob to pause and resume your selected speed.

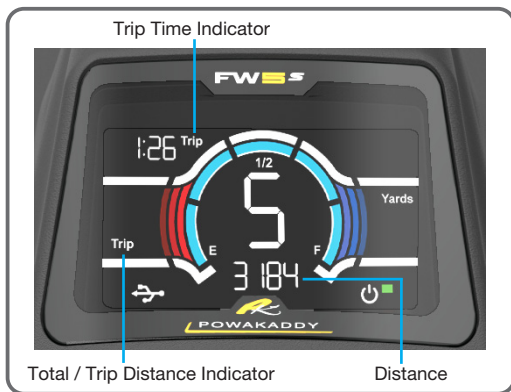
Left Function Button - Press to toggle between Time/Trip Time and Total Distance/Trip Distance

- **Trip:** This displays the total trip distance travelled during the round. This will reset when the battery is disconnected.

- **Total:** This will show the total distance covered by the trolley. This cannot be reset.

- **Trip Time:** This displays the "on" time of the trolley. This will reset when the battery is disconnected.





Right Function Button - Press to toggle between Yards and Metres.

USB Charging Port: Located on the underside of the handle. Open the hatch to charge GPS & mobile devices. The output is rated to 5v/500mA suitable for most USB devices*

*USB output voltage 5v/500mA compatible with most USB portable devices, please check device manufacturers instructions before use. Powakaddy International Ltd accepts no liability for loss of data or damage from using the charging port with incompatible device.

Automatic Distance Function (ADF):

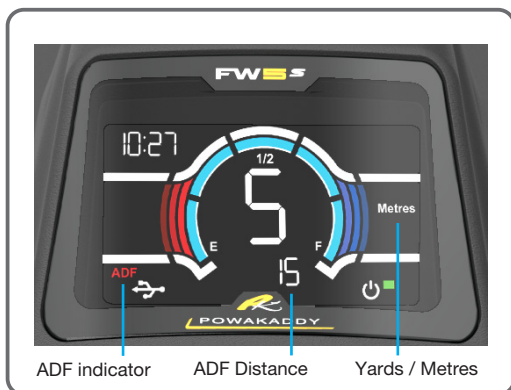
The ADF function is a convenient way of sending your trolley a set distance. (15, 30, 45 yards or metres) For example when you are approaching a green you can send the trolley towards the next tee if the route allows. Please note it is not recommended to send your trolley unattended over steep or rough terrain. To activate when the motor is paused:

- 1: Press and hold the central control knob until 'ADF' appears on the display
- 2: Rotate the control knob to select the distance between 15 to 45 Yrds/Metres.
- 3: To start the function press the control knob.
- 4: To cancel rotate the Central Control Knob to "00" and select by pressing the control knob.



WARNING! Before using the ADF function please ensure the route is clear from any obstacles. To interrupt the distance function when in operation press the on/off button to stop the motor function.

**Please note ADF distance are approximate based on flat level terrain conditions using a fully charged battery. The overall distance may be affected by terrain conditions, obstacles or incline, battery power and weight of golf bag



Understanding the Battery Gauge:

The battery gauge on the FW5s is similar to a car fuel gauge - F (full), 1/2 (half full) & E (empty). There are five blue bars and depending on the charge state of your battery will determine how many bars illuminate. When a fully charged battery is connected to the trolley all five blue bars will illuminate.

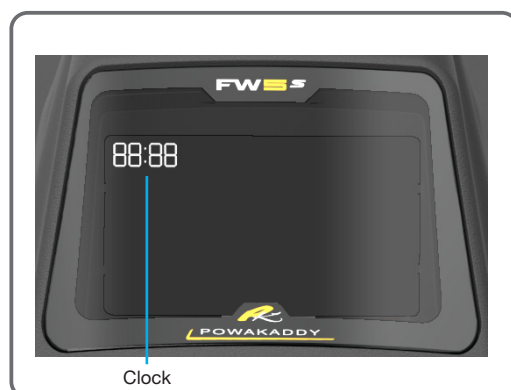
As you progress through your round the blue bars will extinguish from full to empty. When the fifth blue bar is extinguished it indicates that the battery is flat. When your battery is new you may lose only one or two bars during the entire round. As your battery ages, you may lose more bars.

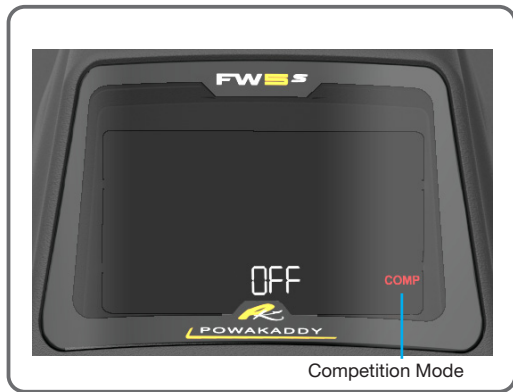
If you lose all the blue bars this could indicate; (1) you have not fully charged your battery (2) your battery is nearing the end of its useful life and you should consider buying a replacement.

Factory Settings

Your new FW5s trolley is ready to use, but there are a number of preferences you can change in the programming mode. To enter programming mode:

- 1: Connect the battery to the trolley.
- 2: With the trolley powered and the default display shown press and hold both function buttons for 3 seconds. The main features on the display will be replaced by the clock flashing in the top left hand corner of the display.
- 3: Press the right function button to scroll through the options.
- 4: Select or modify the option by pressing the central control knob, then use the dial to adjust the setting or input values.
- 5: Press and hold both function buttons to save and exit after changing any settings. The display will then return to the default display.





Each of the Factory Settings are detailed below:

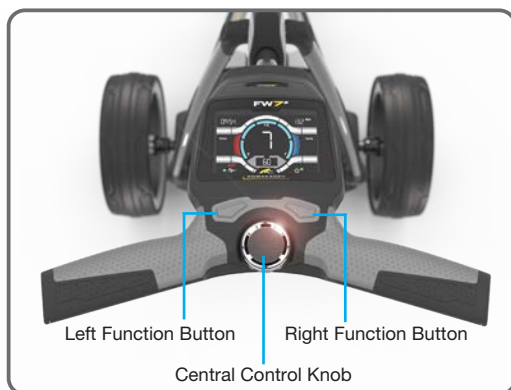
Time: With the clock flashing rotate the control knob to the required digit and press to save each digit.

COMP Mode: With 'COMP' highlighted on the display press the control knob to turn the 'competition' mode on and off. This will disable ADF, distance functions measurement.

Security Pin: With the padlock icon highlighted you can turn the PIN function on and off by pressing the central control knob. To select your security PIN rotate the control knob to select your 4 digit code, save each digit by pressing the control knob. Repeat for each digit and then press and hold both buttons to save the new PIN.

Note: if you have added a PIN lock this will be required every time you turn the trolley on. In the event you have forgotten your PIN you can use the default factory PIN: 7921 to unlock the controls.

FW7s



The FW7s with latest technology and cutting edge styling has a powerful 230w motor and bright colour multi-function LCD display. The trolley includes distance measuring functions, a calorie counter and USB charging port.

Power Indicator:

Displays whether power is being applied to the drive system. (green/red)



Digital Speed Setting:

Rotate the central control knob to adjust the speed of the trolley from 0 - 9 when the motor is powered on. Press central control knob to pause and resume your selected speed.

Left Function Button - Press to toggle between distance measuring.

Drive: Reset before leaving the tee to measure your drive*. To reset press and hold the left function button (note this will also reset your approach).

*Please Note: The drive distance displayed is distance travelled by the trolley under power and may not represent total yards/metres of shot where playing across water or other terrain obstacles that do not allow travel in a straight line from tee to ball. The total distance will also be affected by freewheeling downhill and if the rear wheels slip excessively on wet or loose ground.

• **Approach:** Use to measure your "approach" distance. Reset your "approach" measurement (select "approach" press and hold the left function button to reset) as you go past the nearest Fairway Distance Marker. Walk to your ball and subtract the distance measured from the marker distance. This will be the required distance to the green.

Right Function Button - Press to toggle between Time, Trip time and Calories.

• **Time:** The time is shown in the top left corner of the display. This displays the current time. To adjust the time see factory settings below.

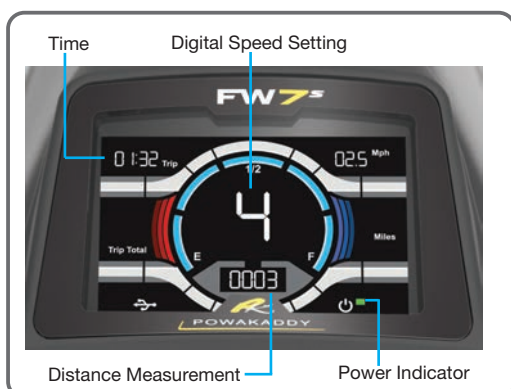
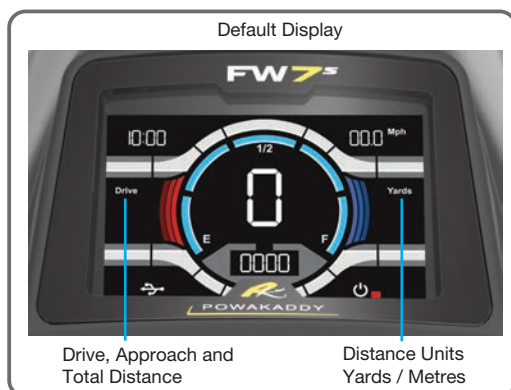
• **Trip Time:** This displays the "on" time of the trolley. This will reset when the battery is disconnected.

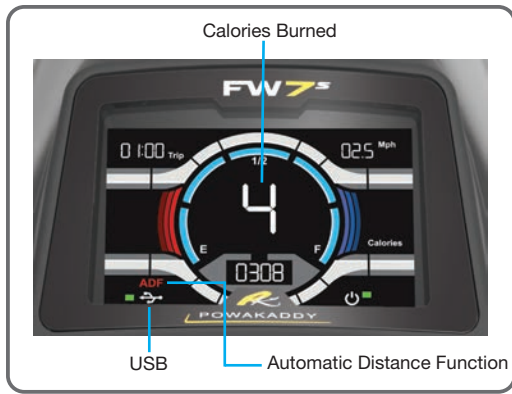
• **Total Trip:** This displays the total trip distance travelled during the round. This will reset when the battery is disconnected.

• **Calories:** This feature displays the approx. calories burned during your round of golf. This total will be reset when the battery is removed.

USB Charging Port: Located on the underside of the handle. Open the hatch to charge GPS & mobile devices. The output is rated to 5v/500mA suitable for most USB devices*

*USB output voltage 5v/500mA compatible with most USB portable devices, please check device manufacturers instructions before use. Powakaddy International Ltd accepts no liability for loss of data or damage from using the charging port with incompatible device.





Automatic Distance Function (ADF):

The ADF function is a convenient way of sending your trolley a set distance (between 5 and 50 yards or metres) For example when you are approaching a green you can send the trolley towards the next tee if the route allows. Please note it is not recommended to send your trolley unattended over steep or rough terrain. To activate when the motor is paused:

- 1: Press and hold the central control knob until 'ADF' appears on the display
- 2: Rotate the control knob to select the distance required between 5 and 50 Yards/Metres.
- 3: To start the function press the control knob.
- 4: To cancel rotate the Central Control Knob to "00" and select by pressing the control knob.



WARNING! Before using the ADF function please ensure the route is clear from any obstacles. To interrupt the distance function when in operation press the on/off button to stop the motor function.

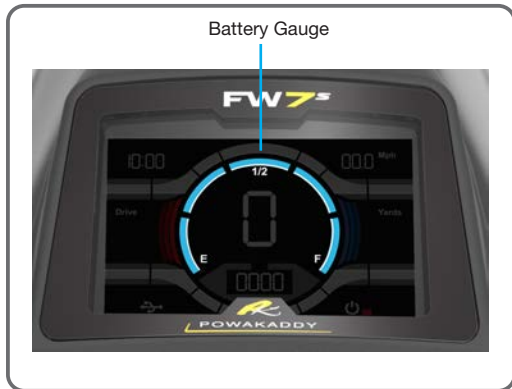
**Please note ADF distance are approximate based on flat level terrain conditions using a fully charged battery. The overall distance may be affected by terrain conditions, obstacles or incline, battery power and weight of golf bag5

Understanding the Battery Gauge:

The battery gauge on the FW7s is similar to a car fuel gauge - F (full), 1/2 (half full) & E (empty). There are five blue bars and depending on the charge state of your battery will determine how many bars illuminate. When a fully charged battery is connected to the trolley all five blue bars will illuminate.

As you progress through your round the blue bars will extinguish from full to empty. When the fifth blue bar is extinguished it indicates that the battery is flat. When your battery is new you may lose only one or two bars during the entire round. As your battery ages, you may lose more bars.

If you lose all the blue bars this could indicate; (1) you have not fully charged your battery (2) your battery is nearing the end of its useful life and you should consider buying a replacement.



Factory Settings

Your new FW7s trolley is ready to use, but there are a number of preferences you can change in the programming mode. To enter programming mode:

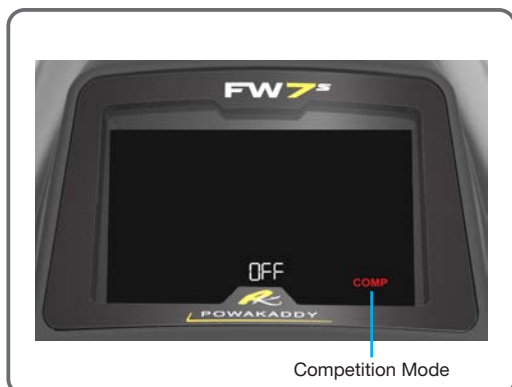
- 1: Connect the battery to the trolley.
- 2: With the trolley powered and the default display shown press and hold both function buttons for 3 seconds. The main features on the display will be replaced by the clock flashing in the top left hand corner of the display.
- 3: Press the right function button to scroll through the options.
- 4: Select or modify the option by pressing the central control knob, then use the dial to adjust the setting or input values.
- 5: Press and hold both function buttons to save and exit after changing any settings. The display will then return to the default display.

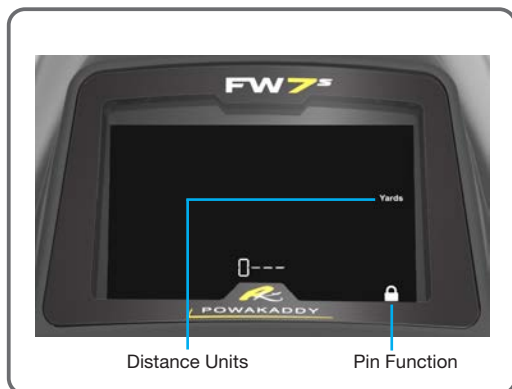
Each of the Factory Settings are detailed below:

Time: With the clock flashing rotate the control knob to the required digit and press to save each digit.

Distance Unit: This will change the measurement and ADF functions from yards (miles) to metres (Km). Push the central control knob to select either option.

COMP Mode: With 'COMP' highlighted on the display press the control knob to turn the 'competition' mode on and off. This will disable ADF, distance functions and calories measurement.





Security Pin: With the padlock icon highlighted you can turn the PIN function on and off by pressing the central control knob. To select your security PIN rotate the control knob to select your 4 digit code, save each digit by pressing the control knob. Repeat for each digit and then press and hold both buttons to save the new PIN.

Note: if you have added a PIN lock this will be required every time you turn the trolley on. In the event you have forgotten your PIN you can use the default factory PIN: **7921** to unlock the controls.

5 Electronic Braking System



The Electronic Braking System is an optional extra within the Freeway Range. The EBS has the added advantage of an Electronic Braking System (EBS) for hill decent control thus creating the ultimate machine for all conditions.

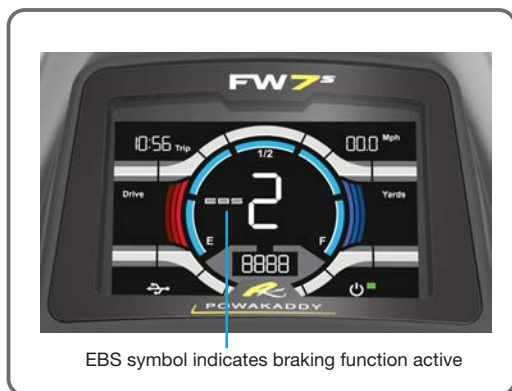
To activate the braking function:

1: Ensure the motor and power is on.

2: Rotate the control knob counter-clockwise until you go below zero. The EBS logo will appear next to the power setting to indicate the braking function, which will display between 1, 2 and 3 indicating the level of braking force being applied, 3 being the highest.

3: Rotate the control knob clockwise to return to normal power settings.

Note: you do not have to pause the trolley between the standard power and EBS braking mode



WARNING! EBS is an assisted braking system for hill descent not a 100% parking brake. The trolley must be powered on and the wheels engaged with the clutch for the braking system to function. The drive system uses a limited slip differential to allow braking and provide ease of manoeuvrability. Try to avoid traversing a steep hill as the load of the trolley will mostly be applied to the lower wheel on the slope, and may cause the higher wheel to slip. If your trolley loses traction and the wheels start to spin apply more even pressure on the handle to increase traction of both wheels. Engage the braking progressively as you descend a slope.

Caution: Wet or loose ground can cause the wheels to lock and slip on steep slopes. When using the maximum braking force always maintain a firm grip on the handle to assist the trolley and avoid injury or damage.

Maintenance

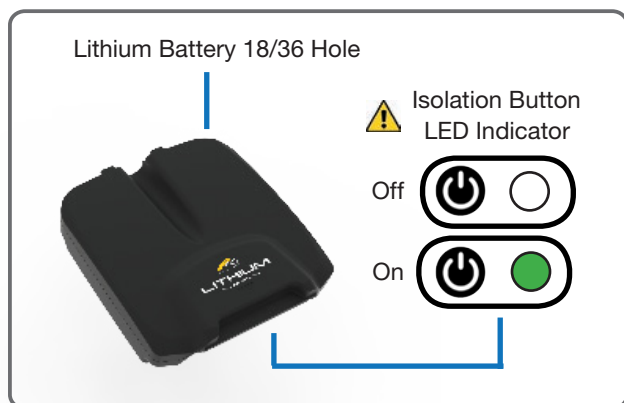
SN:

- Your Powakaddy Freeway Trolley is simple to maintain.
- **Never jet wash your trolley or immerse into water.** Occasionally remove the wheels and apply grease to the axle and moving parts.
- Your serial number can be found on the underside of the main central tube. Keep a note of the serial number for reference in the box provided above.

Should you experience a problem with your Powakaddy product please go to www.powakaddy.com/support

6 Battery Care

PLUG 'N' PLAY™



Your PowaKaddy trolley features an innovative Plug'n'Play™ battery system. To maximise your battery life please take time to read the following battery care and charging instructions.

Batteries available are as follows:

Lithium 18 Hole | **Lithium Extended 36 Hole***

*In normal conditions the Extended batteries will do 36 holes when used on a PowaKaddy trolley. Conditions such as long or exceptionally hilly courses, wet ground conditions and excessively heavy golf bags may reduce the range of the battery.



Important Safety Information about Batteries & Chargers

- Never submerge the battery in water.
- Never leave the battery in the trolley when cleaning the frame.
- If you suspect your lithium battery has water inside do not use or attempt to recharge.
- Never use the charger or battery if the leads, contacts or casings are damaged.
- Dropping the battery may damage the cells or circuit components inside.
- A LITHIUM BATTERY THAT HAS BEEN SUBMERGED IN WATER OR SUSTAINED DAMAGE IS A FIRE HAZARD. **DO NOT USE THE BATTERY.** Place outdoors in a non-combustible container well away from flammable materials. DO NOT RECHARGE THE BATTERY. If you consult a Service Agent, you must explain what has happened. We recommend disposing safely at your local recycling centre.
- Avoid charging your Lithium battery in temperatures below 0 °C or exposing the battery to temperatures below -5 °C or above 40 °C.
- Always place the charger on a hard, flat heat resistant surface. Do not wrap or cover as the charger generates heat during use.
- Never expose the charger to rain, moisture or damp. If you suspect any of these have occurred then do not use the charger.
- Only charge your battery using the compatible PowaKaddy charger provided with your battery.
- Never discharge your battery other than in normal use on the trolley.
- Always check with your airline before attempting to transport batteries by air.

Charging Your Lithium Battery

- Place your battery and charger on a hard level surface and connect the battery and charger first before plugging in the mains power and switching on.
- Only charge your Plug'n'Play Lithium battery with the Green Isolation LED Illuminated.
- The charger has 2 indicator lights to represent the status of the battery during the charging process. When connecting a discharged battery, the red light will illuminate to indicate the bulk charge state. When the bulk charging process is complete, the green light will illuminate. The battery should be removed from the charger after the green light is active.
- Never leave the charger connected to the battery with the mains supply switched off.
- We recommend you recharge your battery within 24 hours of use, no matter how many holes played.
- This may take up to 7 Hours for a Lithium battery depending on the capacity of the battery and depth of discharge when charging.
- Never leave your battery in a discharged condition for prolonged periods, this will reduce the life of the battery and your charger may be unable to recharge it.
- If the battery is not to be used for long periods, our advice is to store in a cool, dry place. Please ensure the battery is fully charged before storing and charge every month thereafter.
- Ensure your Lithium battery Green Isolation LED is extinguished during transportation.
- Please refer to the product labels on your battery and charger for more information.
- At the end of the battery's life, dispose at your local recycling centre.