



POWERMONKEY EXPEDITION
∞ INFINITE POWER

powertraveller
without boundaries™



INFINITE POWER

With an ever-increasing number of people heading out to the world's most remote locations, it is evident that a growing amount of mobile devices are going with them. The need for unlimited, off-grid power has never been greater and now, we can supply it.

Powertraveller has developed a world-first in off-grid power generation. The powermonkey expedition is a revolution in portable charging technology, bringing together multiple ways in which to naturally, yet efficiently generate power.

You can charge the massive internal battery in five ways; via hand-powered crank, wind, solar, AC mains or water. Its revolutionary design even allows you to generate power via solar and wind simultaneously, giving a full recharge of the battery in 5-8 hours in optimum conditions.

Featuring both 12V DC and 5V USB outputs, the powermonkey expedition is capable of charging everything from two-way radios, satellite phones and smartphones, to GPS, head lamps and SLR cameras, plus a plethora of other devices. You can also charge devices from both outputs simultaneously while

charging the internal battery, giving you the freedom to keep working.

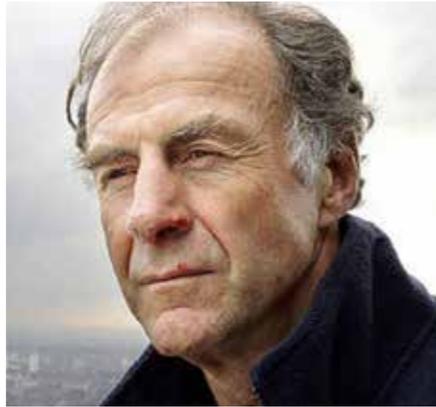
The powermonkey expedition has been cleverly designed so that additional charging options can be included at a later date. Alternative ways to charge the powerful 10,500mAh battery in the future will include a steam turbine, gas and hydrogen fuel-cell, so whatever situation you find yourself in, the powermonkey expedition ensures your devices will never run out of power.

With an Ingress Protection (IP) rating of 65, the powermonkey expedition is completely dust-tight and can withstand water jets directed from any angle - perfect for even the harshest of environments.

The powermonkey expedition is the culmination of Powertraveller's expertise in portable charger manufacturing and feedback from extreme ambassadors using our products in the field; including mountaineers Squash Falconer and Kenton Cool and legendary explorer Sir Ranulph Fiennes.

DISCOVER A NEW WORLD OF INFINITE POWER.





“When you're in extreme conditions and off-grid, whatever you have with you has to be robust and something you know you can rely on.”

Sir Ranulph Fiennes
Explorer/Powertraveller
Ambassador

No sun? No wind? No water? No problem. With the powermonkey expedition, you can generate power using your own two hands.

The powermonkey expedition is equipped with a strong, ergonomic crank-handle that attaches to the end of the unit and allows you to generate power at a comfortable speed thanks to the 32:1 gearing ratio. The unit features an LED that indicates the optimum speed for hand-crank charging. When the LED is green, the hand-crank is producing energy at an optimum, efficient level. When the LED is red, the hand-crank is being turned too fast or too slow.

The anodised, aluminium casing is ridged, providing a secure grip even if your hands are cold/wet or you're wearing gloves. Once the battery is charged, the hand-crank folds away neatly or can even be removed completely if required.

LED indicates optimum hand-crank speed

10 mins of hand-crank charges the expedition battery by 1%
e.g. 10 mins charges iPhone 5S by 6.7% – 40 mins talk time

Handle can be folded away neatly for storage or removed

32:1 gearing ratio allows power generation at a comfortable level



**YOU CAN:
CRANK TO
MAKE THE CALL**



YOU CAN:
HARNESS NATURE'S
POWER TO KEEP
YOU GOING



Ergonomically designed turbines harness wind efficiently and convert into power

Aluminium stabilisation mount to ensure unit is secure



“ Powertraveller have gone out and produced a device which fulfills all the requirements which are needed for off-grid power. ”

Kenton Cool
Mountain Leader/
Powertraveller Ambassador

LED indicates battery is charging



Aluminum mount

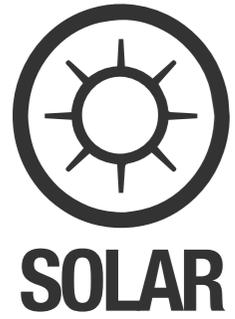
When the sun goes down and you're still off-grid, turn the powermonkey expedition in your own portable wind turbine by adding a few simple components.

Attach the turbine cap to the expedition unit and click the three lightweight turbine cups securely into place. The battery will start charging once the wind speed reaches just 10.5 knots (equivalent to 12mph or 20kph).

A bespoke, aluminium wind stabilisation mount ensures the unit stays securely in place whilst you're harnessing power and you can even charge via solar simultaneously – giving you a full recharge of the internal battery in around 5-8 hours in optimum conditions.

The turbine is the perfect option to generate power on cloudy days/nights when wind is in abundant supply.





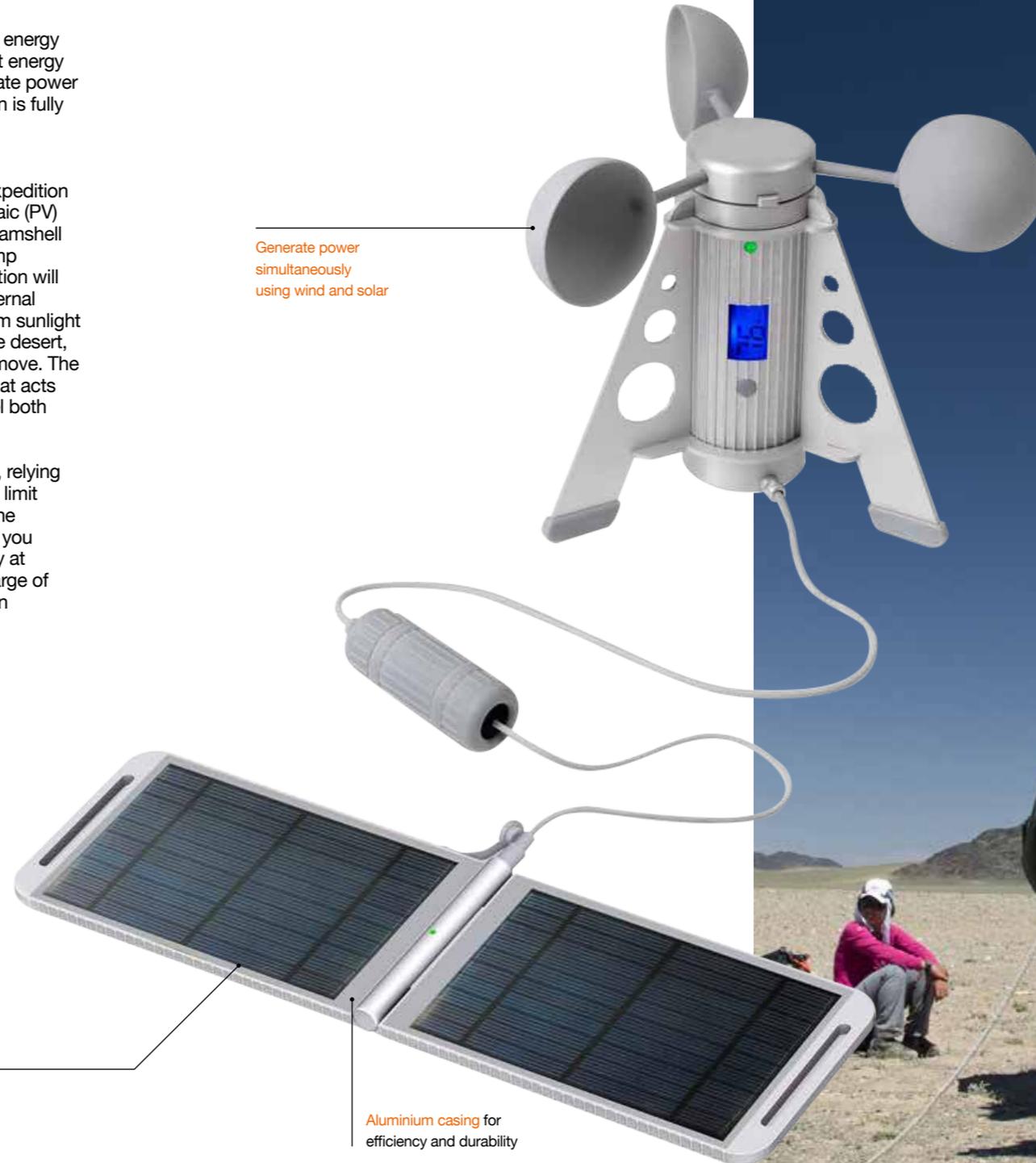
“ The powermonkey expedition really is the ultimate bit of kit. You can take it anywhere in the world and I absolutely want it in my backpack. ”

Squash Falconer
Adventurer/Powertraveller
Amabassador

The sun is the ultimate source of energy for our planet, so harnessing that energy is the most natural way to generate power and the powermonkey expedition is fully equipped to do just that.

Supplied with the powermonkey expedition is the solarmonkey expedition – a specially designed photovoltaic (PV) solar panel housed in a tough, clamshell casing offering a 5 Watt , 5V 1Amp output. The solarmonkey expedition will recharge the powermonkey’s internal battery in 16-21 hours in optimum sunlight conditions, perfect if you’re in the desert, up a mountain or simply on the move. The panel is made from aluminium that acts as a heat-sync, making the panel both efficient and hardwearing.

As our ambassadors will tell you, relying on the sun alone can sometimes limit your ability to generate power. The powermonkey expedition allows you to harness solar and wind energy at the same time, giving a full recharge of the internal battery in 5-8 hours in optimum conditions.



Generate power simultaneously using wind and solar

Unique clamshell design protects the solar panels when stored

Aluminium casing for efficiency and durability

**YOU CAN:
USE YOUR GPS
TO NAVIGATE
THE GOBI**





**YOU CAN:
CHARGE IN
COMFORT
BEFORE YOU
TAKE ON THE
WILDERNESS**



Supplied with International AC Mains Charger for UK, Europe, US/China and Australia

Full recharge of the internal battery takes approximately 12 hours



“ To bring back breath-taking images, call in an emergency or connect with our family and friends back home, we need power out there! ”

Ryan Waters

Mountaineer/Polar Adventurer
/Powertraveller Ambassador

Your powermonkey expedition is designed for the world's most demanding environments. As well as harnessing natural energy, it can tap into manmade power sources, too.

The powermonkey expedition is supplied with an International AC Mains Charger that will work in over 150 countries around the world. With this, you can be sure that the internal battery is fully charging before you head out off into the unknown and recharge it again once you return to civilisation.

Using AC mains, a full recharge of the powermonkey expedition's internal battery takes approximately 12 hours – a major benefit in remote areas where electricity may be limited or unpredictable. The fastest, simplest way to put infinite power in your pocket.



AC MAINS



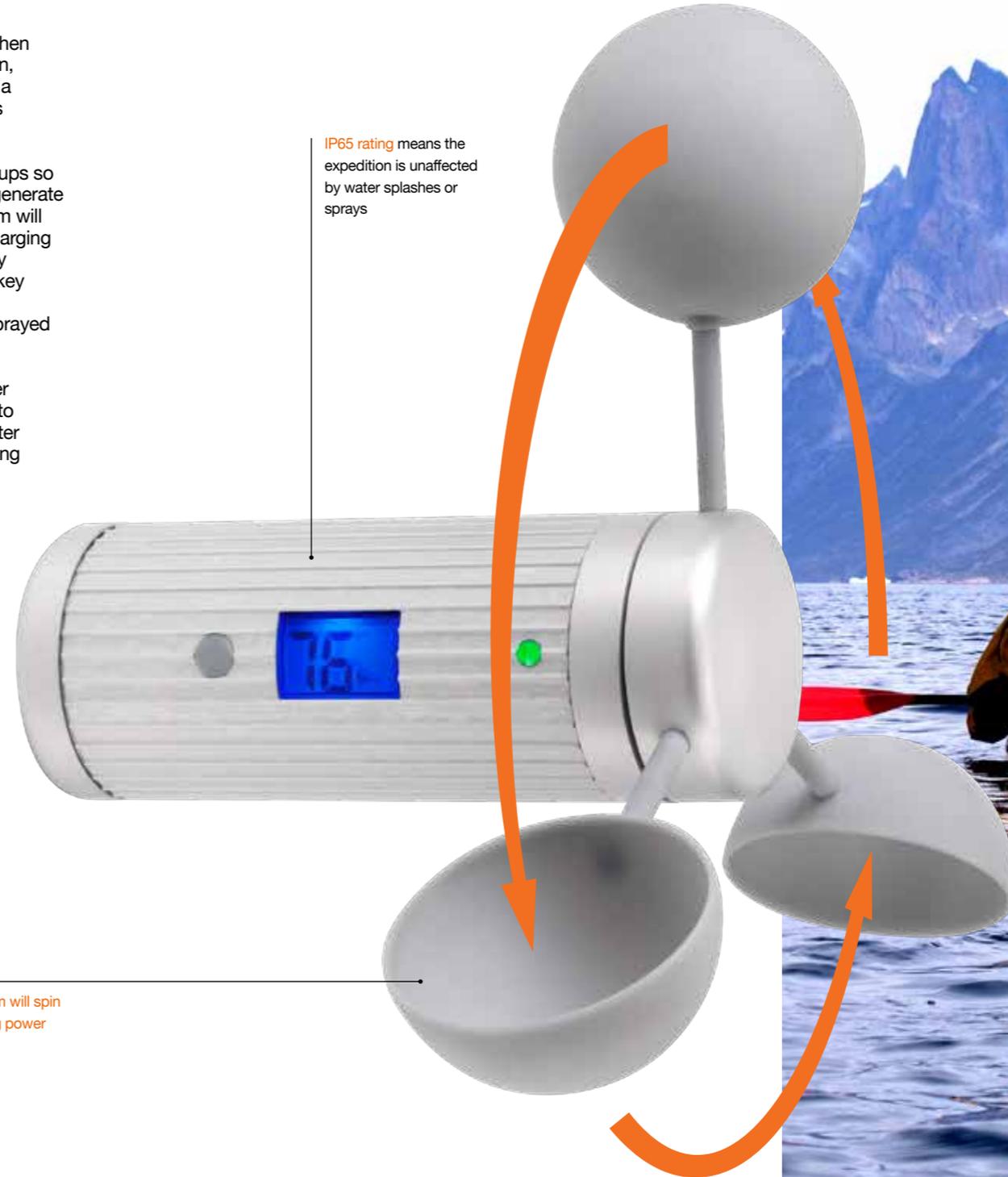
“ I spend half the year travelling, often to remote parts of the world, and without Powertraveller much of my gear would be left redundant. ”

Dave Cornthwaite
Adventurer/Powertraveller
Ambassador

Water is our most basic necessity, whatever environment you're in. When carrying a powermonkey expedition, running water can also be used as a power source to keep your devices charged.

We've designed the wind turbine cups so they can also be used in water to generate power. A fast-flowing river or stream will spin the cups on the rotary cap, charging the internal battery in the same way as wind power and the powermonkey expedition's IP65 rating means it is unaffected by water splashed or sprayed against it from any direction.

Water is the ideal solution for power generation when you're heading into mountainous regions (especially after snowmelt) and for overnight charging when you've made camp.



IP65 rating means the expedition is unaffected by water splashes or sprays

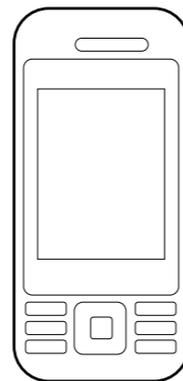
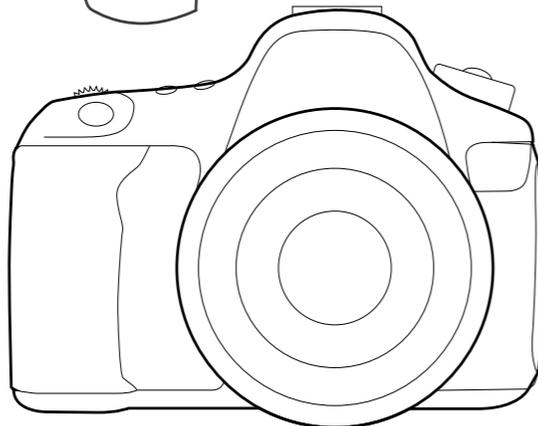
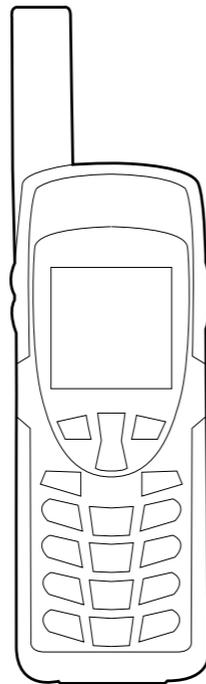
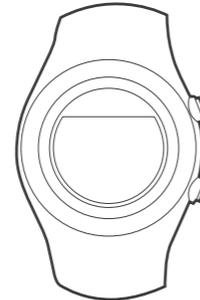
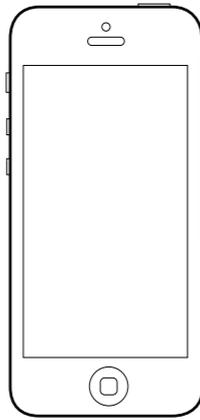
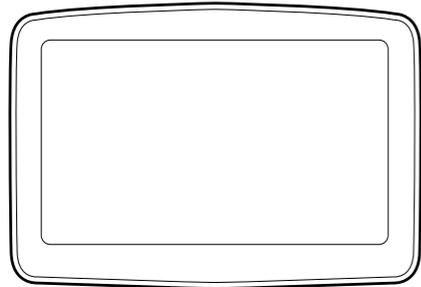
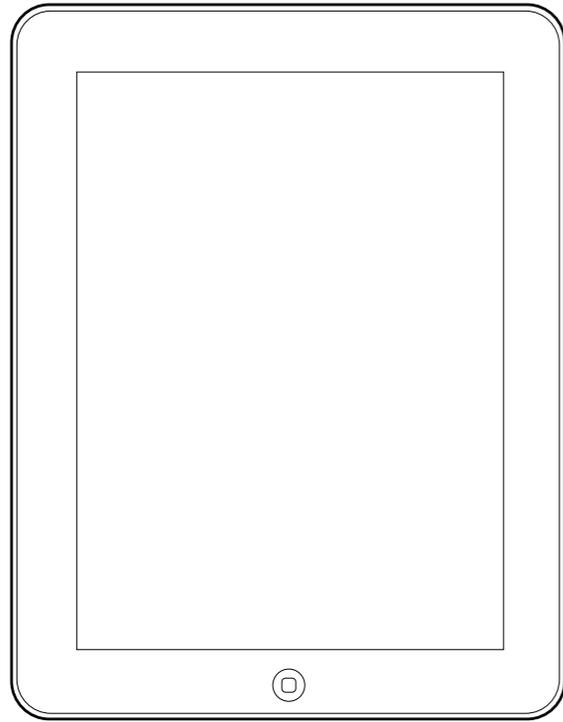
A fast-flowing river or stream will spin the turbine cups, generating power

**YOU CAN:
CALL FROM
THE KAYAK**



YOU CAN CHARGE

IPADS / PHONES & SMARTPHONES / SPORTS WATCHES / SATELLITE PHONES
TWO-WAY RADIOS / SLR CAMERAS / GPS / AND MANY MORE



The powermonkey expedition allows you to charge virtually any 5V or 12V electronic device, wherever you may find yourself.

Charge everyday essentials such as cell phones, tablets and digital cameras, as well as life-saving equipment including satellite phones, avalanche transceivers, two-way radios, head lamps and much more.

With the powermonkey expedition, you can discover a new world of infinite power.



Waterproof housing closed

5V USB and 12V DC outputs

Waterproof housing
for cable connection

POWER OUTPUTS & INPUT

LIGHTWEIGHT & COMPACT



When all you can take is what you can carry, each item of equipment needs to be considered to avoid every gram of excess weight. The powermonkey expedition weighs 1.8kg and is compact enough to fit in your pocket. The casing is made from aluminium (around one-third the weight of steel), yet rugged enough to be stowed in your backpack with the rest of your gear. The additional components for generating wind, solar and water and even the International AC Mains Charger are equally light and strong whilst remaining small enough to pack easily and safely.

Wherever life takes you and no matter how far off the beaten track you are, the powermonkey expedition epitomises true off-grid power and ensures your essential devices can always be charged.



“ We’re [often] days away from the nearest power source, so to have the Powertraveller products is absolutely essential. ”

Kenton Cool
Mountain Leader/
Powertraveller Ambassador

FUTURE APPLICATIONS

The powermonkey expedition has been cleverly designed so that additional charging options can be included in the future. As new technologies become available, we will be able to incorporate these into the product so that long after other chargers become outdated, the powermonkey expedition can keep on going.

Future power sources may include:



BUTANE



HYDROGEN



STEAM





POLAR EXPLORATION
BAFFIN ISLAND



EXTREME SPORT
ALASKA



SKI TOURING
ITALIAN ALPS



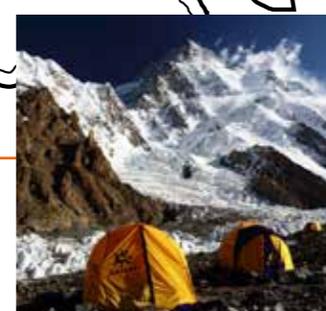
PEACE KEEPING
SUDAN



WILDLIFE CONSERVATION
UGANDA



SAILING
INDIAN OCEAN



MOUNTAINEERING
K2



HUNTING AND FISHING
RUSSIA



ADVENTURE TRAVEL
GOBI DESERT



DISASTER RELIEF
PHILIPPINES



INFINITE POSSIBILITIES

BE PART OF THE REVOLUTION

The new powermonkey expedition goes on sale worldwide in May 2014. For full product information, please visit our website where you can also sign up to receive advance notice of release dates and availability in your part of the world. www.powertraveller.com

10500mAh

Specifications

Weight	1.8kg
Dimensions	164 x 62 x 62mm
Battery type	Lithium Polymer
Battery capacity	10500mAh
Output voltage	12V & 5V 800mA

Charges

Smartphones/mobiles	●
iPods/MP3/MP4	●
GPS & transceivers	●
Two-way radios	●
iPads/tablets	●
Satellite phones	●

Special Features

Weatherproof	●
Internal battery	●
Includes MPPT technology	●
LCD screen	●

Kit Contents

Main unit	
Hand crank assembly	
3 wind cups	
Wind turbine cap	
Blanking cap for base	
Power cap for base	
Waterproof connector	
3 support fins	
2 connecting rings	
solarmonkey expedition	
Neoprene sleeve	
Velcro strap	
International AC mains charger	
Carry case	
0.5m cable to 12V car charger socket	
1m micro USB to standard USB cable	
User guide	
Warranty and registration card	



EXCLUSIVE VIDEO

Watch professional adventurers Sir Ranulph Fiennes, Squash Falconer and Kenton Cool demonstrate the powermonkey expedition.

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