

# Pico Lamp Recreation/Emergency Kit

Multi-function Solar Lamp System



## Solar-powered portable light/energy hub.

- Supplies up to 55 hours of light without recharging
- Built-to-last in the harshest conditions (IP65)
- Charges in 3-5 hours
- USB port for charging mobile devices

### Portable light and energy station



#### High Powered

- 120 lumens of light for up to 12 hours on a single day's charge
- Up to 55 hours of high quality LED light

#### Multi-functional

- USB output to charge mobile devices such as phones & MP3s
- Keep your Pico charged with a solar panel, car charger or an AC plug.

#### Outdoor-Proof

- Touch switches mean no moving parts and no risk of corrosion
- Protective housing (IP65) against soil and climate influences

Phocos' innovative Pico Lamp is the premier solar lantern on the market today. Its modern design concept was built to prevent damage from shock, button failure, insects and water which causes corrosion.

Supplying up to 55 hours of light on a single charge, the Pico lamp is an ideal addition to emergency preparedness kits or adventure gear. The on-board USB charging port keeps your mobile phone or device charged anywhere you go with or without AC power.

### Application Examples

- Camping
- Emergency Kit
- Rural Electrification
- Backpacking



## Technical Data

Type	Pico
Battery	4.8 V (4 x AA NiMH, 2100 mAh, low self-discharge)
Full charge/discharge cycle	> 500 cycles
Light intensity	120 lm
Light color	3,950 to 4,300 K
Lighting level (time)	High: 120 lm (5.5 h)
	Standard: 50 lm (16.5 h)
	Low: 20 lm (55 h)
DC charging input	Solar module UMPP > 7 V, Uoc < 25 V (max. 1.5 A @ 7 V) or battery
Barrel connector for panel/DC charging input	12 V (max. charging current 800 mA)
Charging via a 3 Wp solar panel	3 to 5 hours for a full charge depending on incident solar radiation
AC or 12 V battery charging	Completely charged in 2.5 hours
Charging technology	High-efficiency MPPT (Maximum Power Point Tracker)
Ambient temperature range	-4 to 122 °F (-20 to +50 °C)
Type of protection	IP65
Dimensions (L x D)	11.6 x 4.5 in (296 x 115 mm)
Weight	1.25 lbs (570 g)

### USB Charge Data:

Type	Pico
Output voltage	4.4 – 5.1 V
Nominal output current	750 mA
Mobile phone charging	About 2 hours are needed to fully charge a mobile phone
Overload and short-circuit protection	Yes
Plug	USB-A

### Included in Pico Recreation/Emergency Kit



**Pico Lamp**  
With the Pico Accessory Series the Pico Lamp can be extended to a modular lighting system



**Phone Charging Set**  
USB mobile phone/MP3 adaptor for most common brands



**AC Adaptor**  
90-264 VAC, 50/60 Hz



**Remote Switch**  
Remote control Pico on/off and light levels



**PV Panel**  
3 W and 5 W option



**Car Adaptor**  
12 V DC  
Max. charge current 1000 mA

### Other Available Accessories



**Distributor**  
Distributor, allows charging and operation of multiple Pico Lamps in the same system



**USB Extension**  
Length 3/5 m



**Power Extension**  
Distributor cable used for connecting between Pico and Power Box length 3/5m



**DC Cable**  
Used for battery DC charging length 2 m



**Pico dual USB Hub**  
USB Hub for using remote switch can also be used for charging mobile phone



**NiMH rechargeable batteries**  
4 x AA 2100mAh