



# Custom Power Solar

## Nautilus V6 Users Manual

**Ready To Use** If your charger was shipped within the USA, it's ready to use & battery is plugged in. Plug in fast charger to fully charge battery. **Battery Cover In/Out** To remove the battery cover, press on the top of the cover so that the tab pops out of the slot. Slide out cover. Cover can be bent to clear case.



**Charger Power Up** Plug the red battery connector into its mating receptacle in the charger. Replace the battery cover, sliding the top tab under the slot.



**Smartphone Installation** Slide the smartphone into the case all the way into the USB connector. You're good to go!



**Smartphone Removal** To remove smartphone, grab phone from middle top where finger slot is with thumb and finger, and pull phone out of case.



Status LEDs  
USB power out  
USB charge in  
Fast Charger in

iPhone5 Front View



USB out 1  
Status LEDs  
USB out 2  
USB charge in  
Fast charger in  
Nautilus & Tank Top View

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**Fast Charging** Input - Fast charger plugs into 3.5mm jack in base of case. Two green LEDs will light when charging.

Fast charging voltage ok LED



Charging LED goes out when fully charged

USB power out

USB charge in

**USB Charging** Input - Micro B USB jack plugs into side of case. Two green LEDs will light when charging.

USB voltage ok LED



Charging LED goes out when fully charged

**Solar Module** Input - Solar module plugs into 3.5mm jack in base of case. Two green LEDs will light when charging. If only one light lit insufficient light to charge.

## Specifications

## Nautilus

Battery Capacity (standard)	2200mah
Battery Capacity (extended)	4400mah
Battery Capacity (iPhone5 max)	5000mah
Max charging current	2A
Charging input voltage range	3-9V
Output Voltage	5V
Output Current	2A
USB charging input current	500ma

Charge Time	1500	2200	4400	5000	10000	Battery
USB 500ma	3.6	5.3	10.6	12.0	24.0	hours
Fast charger	0.9	1.3	2.6	3.0	6.0	hours
3w solar	3.0	4.4	8.8	10.0	20.0	hours
4w solar	2.3	3.3	6.6	7.5	15.0	hours

**What to expect on delivery:** LiPo batteries ships to us normally at 1/2 full. We package them & ship to you in this state after operational testing. We recommend that you fully charge the battery before use. Note: any 3.5mm OD, 1.5mm ID jack power supply of 4-9v 0.5-4A can be used as fast charger input.

**USB out:** V5 models have a USB Micro B out connector. Plug in USB cable to USB out port - up to 2A available to charge phone and two accessories.

**Battery Low:** If your phone says USB power error or USB fault it means the battery in the charger is too low. Plug the fast charger in & recharge the battery.

**Fast Charging:** Most smartphones can accept high USB charging rates of up to 1.5A. This will normally charge a depleted iPhone or 1400mah smartphone in 1 hour or less. Charging case may get warm. This is normal.

**Tips:** If Nautilus is not going to be used for over one month, unplug battery from charger (red connector). Battery will last for several years & retain charge when unplugged.

**Battery lifetime:** Li-poly battery should last 2-3 years with normal daily use. If repeatedly depleted to 3v, lifetime will be shortened. Capacity will slowly decrease with age. Battery can be replaced - check our website for replacement batteries.

**12v Output Option:** The Nautilus chargers have a jumper selectable 12v output option. Other voltages available upon request.

**Warranty:** One year for battery, case, & electronics. For details visit our website.

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