

<http://www.china-macro-solar.com>



Solar backpack MS-C02

Backpack size (LxWxH): 32*22.5*58cm
Fabric: 600D polyester, Wider shoulder belt
3 pcs solar panels, Panel size: 180mm*90mm
Solar power: 10.2V, 400 mA, 4W
Includes a 4,400mAh Li-ion battery pack
output voltage(max): DC9V
output current(max): 2A

The Macro solar bags are mobile power generators, designed to charge your devices without tying you to a power outlet, which makes them ideal for traveling and camping.

It combines by four parts: bag + solar cell panel + battery box + adapters
Solar bag can recharge most small electronic devices including: cell phones, cameras, PDA's, GPS, PSP games player and MP3s. Note: it is not designed to charge laptops.

The bags come with a set of standard adapters for common cell phones and other devices. We also offer a full range of optional adapters.

Embedded in the outside of the bags are three lightweight, tough, waterproof solar panels which generate up to 2.7 - 4 watts of power. This means quicker charge times!

Included with each bag is a Li Ion battery pack which stores any surplus

power generated, so it is available when you need it not just when the sun is up. The battery pack can also be charged using an AC travel charger or car charger(both included). It means you don't need to bring different adapters again for different electronic devices if you have one solar system in the bag.

Specifications of Battery Box			
Output Voltage	9.0V Max		
Output Capacity	4??400mAH		
Output Current	1500mAH Max		
Charge Time	AC / DC charges 4 hours, solar charge 8 hours		
Battery Type	Li-Ion		
Protection	Short, Over Charge, Over Discharge, Over Current, Over Temp		
Weight	4.5 Oz (133g)		
Dimensions	2.95" x 2.17" x 0.93" (75 x 55 x 23.50 mm)		
Charge Display	Red	Orange	Green
	Power<30%	Power between 30% - 70%	power>70%

Specifications of Solar Cell Panels		
	Single Panel	Total Panels
Panel Dimensions	180mm x 90mm	X 3
Weight	4 ounces 120 grams	8 ounces 240 grams
Substrate Type	1.2mm Hard PCD	
Substrate Color	Green	
Cell Type	Monocrystalline	
Cell Efficiency	15.50%	
Open Circuit Voltage	12.50 V	
Peak Voltage *	10.20 V	
Peak Current *	133mAh	399mAh
Peak Watt	1.35 W	4.05 W

*Panel output is computed from cell manufacturer's data based on 0% reduction of cell efficiency after packaging of cell strings. Electrical output tolerance is +/- 10%.

Approximate Charging Times	
Item	Hours Direct Sunlight *
Cell Phone	1-2 hours
Digital Camera (below 9 V)	1.5-3 hours
iPod	1-1.5 hours
PDA	1.5-3 hours
* Charge times may be increased in cloudy weather, high temperatures, or where panels are not angled towards the sun.	