AHONY
Go Solar Gain Power Go Anywhere

Folding Solar Charger
eMobi Flag series

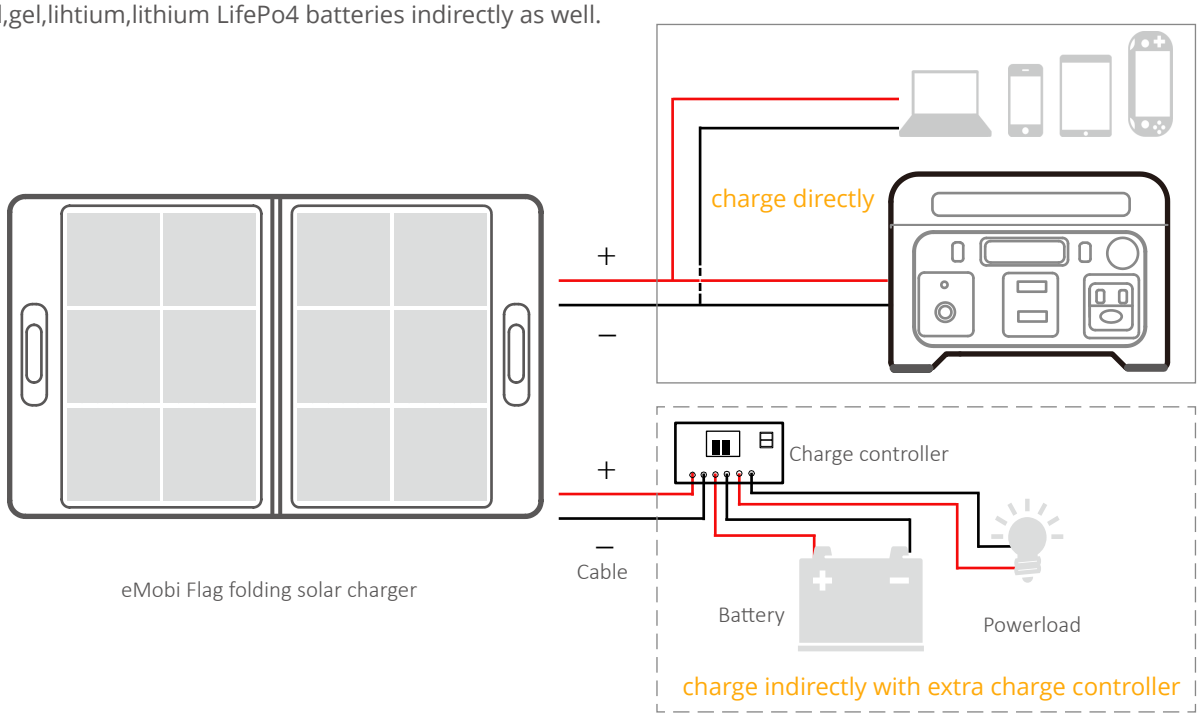






Introduction

eMobi Flag folding solar charger uses UV resistant handle material to insert into panel,compared to old silicon gel handle,It's thiner,lighter,waterproof,more durable and strongly integrated with whole kit.There are magnetic handle into the handle to fold the kit automatically and tightly.The handle use minimalist and user-friendly design,it's easier to open,put up the kit and close it.
Smart IC powers different charging port USB,DC5521,type C,waterproof,dustproof charging port covers.
Cables are available to charge portable power station.
There are strong supporting legs to get max power,anti-blow up holes to fix the kits on ground,cars,rvs.
Big cable pocket to fill in more accessories.
The kits are used for charging electronic devices,smart phones,5v appliances,portable power bank etc.It charges lead acid,gel,lihtium,lithium LifePo4 batteries indirectly as well.



eMobi Flag folding solar charger

Advantage

High efficiency solar cell
Mono perc cell over 22.5%, back contact cells up to 24.2%.

Ultralight&Portable
Handle insert in kit,thinner, lighter than other foldable kits.

Over current Protection
Patent quick charging to protect charging port when current is big.

Water&Dustproof
There are covers on charging port to protect dust or water in.

Over voltage protection
Inner IC will protect chaged devices when voltage is high.

Short circuit protection
When short circuit in panel happen, the powerload will not be damaged.

Application

-Mobile phones, pad, camera, tablet, Bluetooth,speaker, power bank and most 5V power devices.
-DC5521 is designed for laptop,portable solar generator.
-Suitable for hiking,travel,camping,sailing,climbing,ebike,backpack.
-camping RV motorhome
-Outdoor advertising promotion
-Remote medical care,disaster recovery
-off grid solar system

















Electrical Parameters

Model No.	eMobi Flag60W	eMobi Flag80W	eMobi Flag100W	eMobi Flag60W	eMobi Flag80W	eMobi Flag110W
Maximum Power[Wp]	60	80	100	60	80	110
Solar Cell	A Grade Mono Solar Cell			Back contact cell		
Panel Array[pcs]	1*2	1*2	1*2	1*2	1*2	1*2
Cell Efficiency	22.5%	22.5%	22.5%	23.7%	23.7%	23.7%
Folded size[mm]	500*420*40	515*525*40	600*570*40	425*380*40	560*510*40	545*610*40
Unfolded size[mm]	540*500*30	1050*515*30	1140*600*30	790*425*30	1050*560*30	1250*560*30
Max Power Voltage Vmp[V]	20.52	20.52	20.52	18.56	20.88	20.88
Max Power Current Imp[A]	2.92	3.90	4.87	3.24	3.84	5.27
Open Circuit Voltage Voc[V]	24.21	24.21	24.21	24.05	24.43	24.43
Short Circuit Current Isc[A]	3.10	4.13	5.17	3.50	4.13	5.68
Net.Weight[kg]	2.7	3.4	4.2	2.6	3.2	3.9
Port 1	QC3.0 USB+MPPT 5V@3A,9V@2A,12V@1.5A					
Port 2	DC5521					
Port 3	Type C					
Supporting Leg	Yes					
Cable	Yes					
Surface&back	PET or ETFE/fibreglass					
Colour	black+yellow,OEM colours available					
Certification	CE,RoHS,ISO9001					
Installation hole	Yes					
Standard Test Conditions	STC: 1000W/m², AM 1.5 and cell temp 25°C					

*All eMobi Flag series product warranty 1 year.