



Flexible Solar Module For Outdoor Charger Application



A-Si Flexible Solar Charger

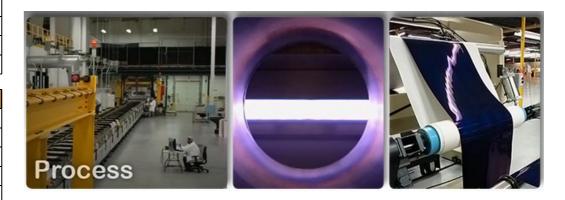
A-Si Series Folding Solar Charger Technical Parameter

Electrical Performance at STC		FSC(12)-39	FSC(12)-78	FSC(18)-118				
Nominal Power(W)	Pmpp(W)	39	78	118				
Aperture Efficiency(%)	(%)	8	8	8				
Power Output Tolerance(W)	(W)	+10/-10	+10/-10	+10/-10				
Maximum Power Voltage(V)	Vmpp(V)	19.2V	19.2V	28.8V				
Maximum Power Current(A)	Impp(A)	2.05A	4.09A	4.09A				
Open Circuit Voltage(V)	Voc(V)	26.4V	26.4V	39.6V				
Short Circuit Current(A)	Isc(A)	2.5A	5.1A	5.1A				
Maximum System Voltage	IEC/UL(V)	1000/600						
Physical and Mechanical Specifications								
Extended Length (± 5 mm / 0.20 in)	L (mm)	934mm	1869mm	2525mm				
Extended Width (± 3 mm / 0.12in)	W (mm)	782mm	782mm	782mm				
Folding Size	FS (mm)	395*160*65mm	395*280*65mm	390*260*70mm				
Weight	kg	1.75KG	3.50KG	4.42KG				
Thickness	T (mm)	1.0mm	1.0mm	1.0mm				
Cell Type	A-Si triple junction amorphous silicon solar cell							

Characteristics for System Desig	gn
Max System Voltage	600V
Series Fuse	10 A
Temp Coefficient of Power	-0.23%/°C
Temp Coefficienct of Voc	-0.38%/°C
Temp Coefficient of Isc	+0.12 %/°C
NOCT	51.5 °C
Connectors	Double core aviation waterproof connectors Or Amphenol low profile Anderson 50A gray Color connector

Features

- * Portable, Lightweight, Flexible folding solar panel.
- * Adopting Multi-Junction, A-Si Technology, the finished solar charger is durable, weather resistant, virtually unbreakable.
- * Expansion ready to conveniently add additional solar panels if needed
- * Easy to set up. Plug and play principle.
- * More low light (overcast) and high temperature tolerant than glass solar panels.
- * Delivers up to 15% more energy into the battery than glass solar panels.
- * Water, hail and dust proof.

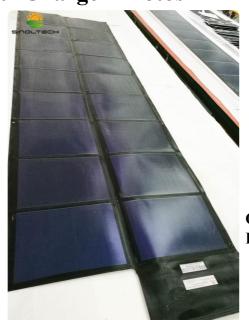


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A-Si Flexible Solar Charger

A-Si Series Folding Solar Charger Photos







Extention cable +MPPT Solar Controller



Output Option: Alligator clip cable + DC/USB Dual Output



Flexible* Powerful* Lightweight Solar Solution

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A-Si Flexible Solar Charger





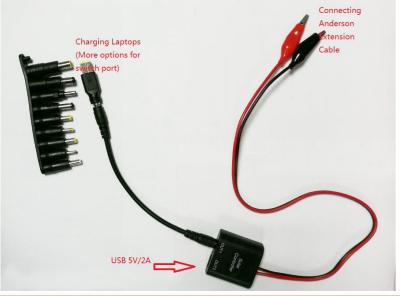




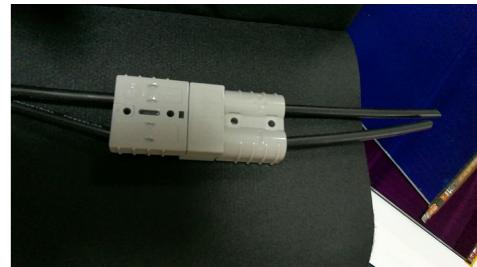
Anderson extension cable+Alligator Clip +DC/USB Dual Output

+Laptop port

Another option: DC/USB Dual Output fixed onto solar panel









Flexible* Powerful* Lightweight Solar Solution



Amazing Wrapping Series

Customized Wrapping CIGS Solar Charger

27W Wrapping Solar Charger

Model No.: SP-027

Peak power: 27W

VMPP: 16.5V IMPP: 1.64A

VOC: 21.6V

ISC: 1.8A

Dimension: 750*450MM

Thickness: 1 mm Cell type: CIGS

Backside: Wear resistant cloth













Thin, Light-weight, Rollable, Durable Accept custom-made dimension and power.

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Military Solar Kit

Military Solar Charger Kit 30W.60W.90W

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Electrical Performance at STC		SP-030K	SP-060K	SP-090K
Nominal Power(W)	Pmpp(W)	30	60	90
Solar Cell		CIGS(PowerFLEX)		
Power Output Tolerance(W)	(W)	+10/-10	+10/-10	+10/-10
Maximum Power Voltage(V)	Vmpp(V)	20 V	21.15V	21.15 V
Maximum Power Current(A)	Impp(A)	1.5 A	3.2A	5.3A
Maximum System Voltage	IEC/UL(V) 1000/600			
Physical and Mechanical Specification	ations			
Extended Length (± 5 mm / 0.20 in)	L (mm)	872mm	1590mm	1555mm
Extended Width (± 3 mm / 0.12 in)	W (mm)	729mm	712mm	1062mm
Folding Size	FS (mm)	243*183*50mm	356*256*50mm	350*270*50mm
Weight	kg	0.60 KG	1.12 KG	1.73 KG
Thickness	T (mm)	2.0mm	2.0mm	2.0mm
Output port	SAE / Optional DC/USB Dual Output			
Working temperature	-40 ∼+70 C			
Warranty	One year			





Including whole Solar Kit: Power Bank and Accessories







Power adapter

DC connecting lines

Triple Data cable







Car charger

Cable clamp

Adapters



Flexible* Powerful* Lightweight Solar Solution

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Hanergy Walker Series

Hanergy Walker Series

Electrical Performance at STC		SP-08	SP-08F	M12	SP-15	SP-50	SP-100	
Nominal Power(W)	Pmpp(W)	7.7W	7.7W	12W	15W	48W	97W	
Solar Cell			CIGS(Miasole)					
Power Output Tolerance(W)	(W)	+10/-10	+10/-10 +10/-10 +10/-10 +10/-10 +10/-10					
Output Voltage(V)	Vmpp(V)	5 V	5 V	5 V	5 V	19.8V	19.8V	
Output Current(A)	Impp(A)	1.2 A	1.2 A	2 A	2.5A	2.47A	4.94A	
Туре		Flat	Fold	Fold	Fold	Fold	Fold	
Color Option			Black,Red,Camouflage Black Black					
Physical and Mechanical Specifications								
Extended Length	L (mm)	400mm	495mm	678mm	675mm	1075mm	1740mm	
Extended Width	W (mm)	256mm	212mm	227mm	265mm	610mm	900mm	
Folding Size	FS (mm)	/	141*212*15mm	227*198*16mm	265*190*15mm	305*250*16mm	305*250*22mm	
Weight	kg	160 G	190 G	262 G	420 G	850 G	1600 G	
Output port		USB	USB	USB	USB	SAE	SAE	
Working temperature	-20 ∼+50 C							
Warranty	One year							

WALKER SERIES Flexible Solar Charger:

- -Foldable and portable, without any burden
- -Low light power output
- -Wide compatible DUAL USB output
- -Extra thin to 1mm
- -Light and small
- -Green technology, CIGS thin film solar cell
- -Keep a stable output between -20 and +50 celsius degree, beyong the shackles of temperature, calm generation
- -Anti UV, waterproof, self cleaning, easy to wipe and maintain.
- -Better compatibility, safe and reliable, with built-in voltage regulator, could charge cell phone, IPAD, power bank, or bluetooth speaker, portable fan, car cigarette lighter etc.







Pocketpower(Sunpower Cell)

Pocketpower Series Outdoor Solar Charger

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Electrical Performance at STC		FSS-5.3	FSS-6.4F3	FSS-6.4F2	FSS-8.5	FSS-10.6	FSS-15.9F3	
Nominal Power(W)	Pmpp(W)	5.3W	6.4W	6.4W	8.5W	10.6W	15.9W	
Solar Cell		SUNPOWER						
Output Voltage(V)	Vmpp(V)	5 V	5 V	5 V	5 V	5 V (9V/12V)	5 V / 16V	
Output Current(A)	Impp(A)	1.06 A	1.28 A	1.28 A	1.7A	1.93A	2.9A / 0.96A	
Туре		Fold	3 Folds	Fold	Fold	Fold	3 Folds	
Color Option		Black, Orange, Green, Yellow						
Physical and Mechan	ical Specifica	tions						
Extended Length	L (mm)	296.2mm	397mm	324mm	336mm	340mm	491mm	
Extended Width	W (mm)	153mm	142mm	216mm	237mm	262mm	262mm	
Folding Size	FS (mm)	153*147mm	142*101mm	216*160mm	237*161mm	262*160mm	262*160mm	
Weight	kg	0.20 KG	0.21 KG	0.21 KG	0.29 KG	0.32 KG	0.52 G	
Output port		USB	USB	USB	USB	USB	USB / DC 5525	
Working temperature		-20 ~+70 C						
Warranty	2 years							









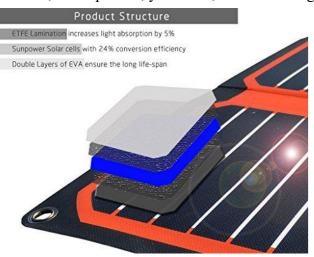


Pocketpower(Sunpower Cell)

Technology Description for Pocketpower Series

POCKETPOWER SERIES Folding Solar Charger:

- -High Efficiency: with Sunpower cell imported from USA, the efficiency can up to 21%-25%, while most monocrystalline panel is only 17%-19%. Importantly, no worries about charging under low temperature. The charging temperature is -20°C~70°C.
- -Fast Charging Time: the device can be full-charged only within 2-3 hours in sunny day or under direct sunlight. The pocket power is suitable better for pocket power charging directly.
- -Portable, Water-Resistant and Long Lifespan: with our integrated ETFE lamination process, its lifetime can up to 15-20 years under normal outdoor condition. It is called POCKET POWER, because it is light-weight and can be folded into your pocket.
- -Wide Application: it can be used to charge electrical devices. Surprisely it's a wonderful helper for hiking, camping and others outdoor activities. Even in absence of power support, your device can be charged as long as there is sunlight.
- -Quality Warranty: Many patents in technology ensure high product quality also with 2 years service warranty.
- -Application: With industry leading surface encapsulation techniques and deep embossing lamination process, this portable solar charger can be used to run electrical devices such as power bank, smart phones, your GPS, and other 5V gadgets. Our solar chargers are essential for outdoor activities, such as hiking, camping, and outdoors military training.







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