

# CUSTOM FOLDABLE SOLAR PANEL

21W | 28W | 40W



Over 70% lighter over conventional solar panel through replacement of glass and optimization of frame



Handy, ultra-compact with convenient foldable design



Optimized charging voltage and speed with automatic voltage regulating



Built with industrial grade material durable for all outdoor activities

## ELECTRICAL CHARACTERISTICS

Model	FEPM-021NP	FEPM-028NP	FEPM-040NP
Maximum Power (Pmp)	21W	28W	40W
Power Tolerance	0 ~ +5%	0 ~ +5%	0 ~ +5%
Cell Efficiency	>23.5%		
Output Voltage	18V (16.8V or customizable)		
Maximum Output Current	1.17A	1.56A	2.22A
Folded Dimensions	160*285*40mm 6.3*11.2*1.57 inches	160*285*45mm 6.3*11.2*1.77 inches	555/530*410*2 mm 21.8/20.8*11.2*0.12 inches
Expanded Dimensions	675*285*3mm 26.6*11.2*0.12 inches	800*285*3 mm 31.5*11.2*0.12 inches	555/530*410*2 mm 21.8/20.8*11.2*0.12 inches
Net Weight	0.45/0.5 kg	0.6/0.65 kg	1.1/1.3 kg

## MECHANICAL DATA

Solar Cells	N-type Mono-crystalline 125x125 mm
Front Surface	PET
Back Contact	Fibre glass/PET
Lamination	Waterproof cloth
Cable	1000 mm (customizable)
Output Ports	18Vdc x 1, USB x 2 built-in mppt

This unique foldable semi-flexible solar panel is lightweight, and foldable design to be easy for carrying around. It offers two USB A charge ports at 5V/2.1A and one 18V DC output port, with built-in chip for protecting devices from over-charging or backflow.

Our foldable semi-flexible solar panel can charge a wide variety of electronics such as mobile phones, drones, digital cameras, laptops, etc. It also serves as an extended power source to our portable solar power station that gives you greater flexibility for outdoor activities without worrying about running out of power.