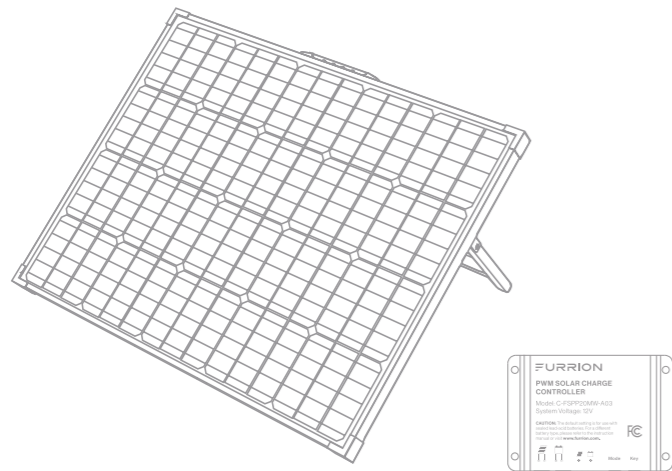


100W KICKSTAND SOLAR PANEL WITH PWM BUNDLE KIT

MODEL: FSPK10MWT-BL

USER MANUAL



Content Includes:

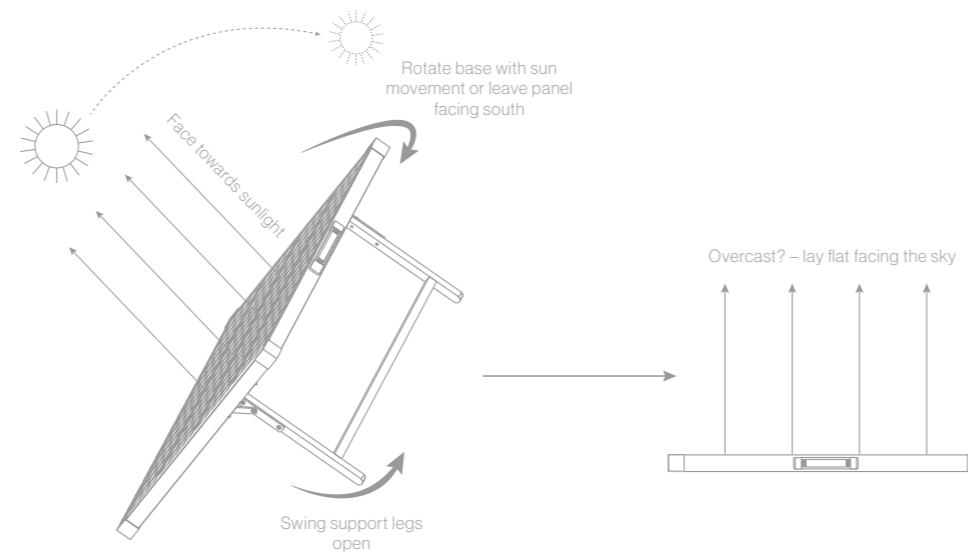
- 100W Solar Panel
- 10A PWM Charge Controller
- User Manual
- Warranty Manual

* Product picture for reference only

!!ATTENTION!!

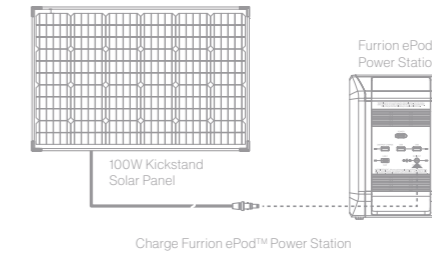
- DO NOT use around open flammable sources.
- DO NOT sit on this product.
- DO NOT hang anything from this product.
- DO NOT setup on elevated surfaces (roofs, tables).
- DO NOT hang from elevated supports (trees, ladders).
- DO NOT setup on un-even surfaces/terrains.
- DO NOT setup or place wiring in any standing water.
- DO NOT place wiring in travel paths (walking, vehicle).
- DO NOT place panel in shaded areas (RV, trees, etc.).
- ONLY use this product as intended, with Furriion products, any modification will void the warranty.

SETUP AND OPERATION



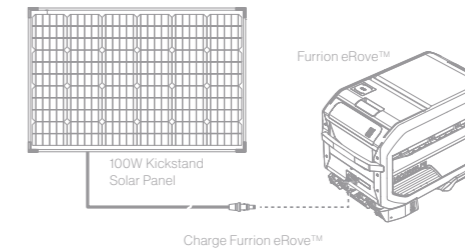
NOTE: Ensure panel has stable footing.

CONNECTION



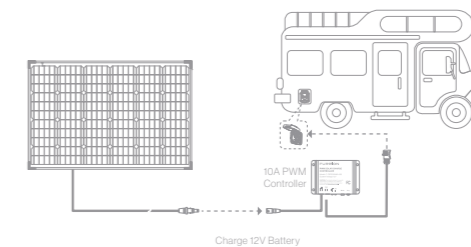
Charge Furrion ePod™ Power Station

Connect solar panel directly to ePower station DC input (with battery installed – see ePod power station manual for charging)



Charge Furrion eRove™

Connect solar panel directly to eRove cooler solar input (with battery installed – see eRove manual for charging)



Charge 12V Battery

1. Connect solar panel directly to 10A PWM charge controller (provided).
2. Connect controller to Furrion® solar inlet.
3. Setup controller and charge.

SETUP 10A PWM CHARGE CONTROLLER

10A PWM Charge Controller Status Indicators

LED indicators	Indications	Status	Functions
	Charging	Solid on	Solar panel has voltage
		Solid off	Solar panel has no voltage
		Slow flashing	Charging in process
		Quick flashing	System over voltage
	Battery	Solid on	Normal battery function
		Solid off	Battery is not connected
		Slow flashing	Battery is under voltage
		Quick flashing	Battery is over discharged



Furrion Innovation Center & Institute of Technology

- 52567 Independence Ct., Elkhart, IN 46514, USA • Toll free:1-888-354-5792
- Email: support@furrion.com

©2007-2020 Furrion Ltd. Furrion® and the Furrion logo are trademarks licensed for use by Furrion Ltd. and registered in the U.S. and other countries.

FURRIION.COM



Battery Type Selection Method

- Press the button for 3 seconds. The LED will begin to flash indicating that the mode can be changed.
- The LED number will cycle from 1 to 4 when the button is pressed.
- When the desired battery type number appears, wait until the LED stops flashing or press the button again for 3 seconds to complete the setting.

Numeric Indicator	Battery Type	Numeric Indicator	Battery Type
1	Sealed lead-acid batteries	3	Flooded lead-acid batteries
2	GEL lead-acid batteries	4	Lithium iron phosphate batteries

HANDLING AND ROUTINE MAINTENANCE

- ALWAYS carry product by lifting handle.
- ALWAYS lock folding legs in position with turn knob.
- ALWAYS protect glass surface when handling/storing.
- ALWAYS keep glass clean to maximize efficiency.
- ALWAYS check wiring and connector quality.
- ALWAYS maintain batteries as per manufacturer.

CLEANING INSTRUCTIONS

- ONLY use warm soapy water and clean cloth.
- NEVER use acidic solutions as it may frost/damage the glass.

SPECIFICATION

Mechanical Specifications	
Solar Cell Type	Monocrystalline
Cell Size	6½" x 6½" (156mm x 156mm)
Product Size	34¼" x 26¾" x 1¼" (870mm x 670mm x 35mm)
Number of Cells	20
Weight	17.6lbs (8.0kg) ± 10%
Cable Length	181½" (4.6m)
Type of Connector	DC Connector
Junction Box	IP65 rated (dust proof, water resistant)
Working Specifications	
Power Tolerance	-5%, +5%

Operating Temperature	-40°F - 185°F (-40°C - 85°C)
Max System Voltage	30V
Max Series Fuse Rating	15A
Normal Operating Cell Temperature	113±3.6°F (45±2°C)
Electrical Specifications (Standard Testing Conditions=25°C, 1000W/m² irradiance and AM=1.5)	
Max System Voltage (IEC/UL)	600V
Maximum Power Pmax	100W
Power Tolerance	±5%
Voltage at Maximum Power Point Vmpp	17.0V (±4V)
Current at Maximum Power Point Impp	5.92A (±2A)
Open Circuit Voltage Voc	20.9V (±4V)
Short Circuit Current Isc	6.13A (±2A)
Cell Efficiency (%)	21.0% (±5%)
Module Efficiency (%)	17.15% (±5%)
Temperature Coefficient of Voc	-0.08%/°F (-0.30%/°C) per degree above 77°F (25°C)
Temperature Coefficient of Isc	+0.02 %/°F (+0.06%/°C) per degree above 77°F (25°C)
Temperature Coefficient of Pmax	-0.11 %/°F (-0.41%/°C) per degree above 77°F (25°C)