



MAXIMIZE YOUR ROOF SPACE



TRAILBLAZER SERIES

MERLIN® PATENTED DESIGN, MILITARY GRADE, MODULAR SOLUTIONS FOR COMPLEX ROOFS

MERLIN® TECHNOLOGY

Industry leading power output | Enhanced performance under all light conditions | Designed and engineered in USA | Outstanding aesthetics | Redundancy by design | Robust module integrity and performance under extreme conditions | Military grade design, Materials and approvals

PRODUCT FEATURES

Modular design allows you to mix and match sizes to maximize roof area | Jump start avoidance | Optimized for maximum performance in scattered light & extreme weather conditions | Compatible with lead acid, AGM, gel, and lithium batteries | Starter and house battery maintenance | Various mounting options, including mechanical, peel & stick, and more



MERLIN® GRID PATENTED TECHNOLOGY: FLEXIBLE – RUGGED – LIGHTWEIGHT – MONO cSi



80% Lighter than Glass Panels



50X More Durable vs. Bus-Bar Technology



20% More Energy In Real World Conditions



2.5X Power Density vs. Thin Film Technology

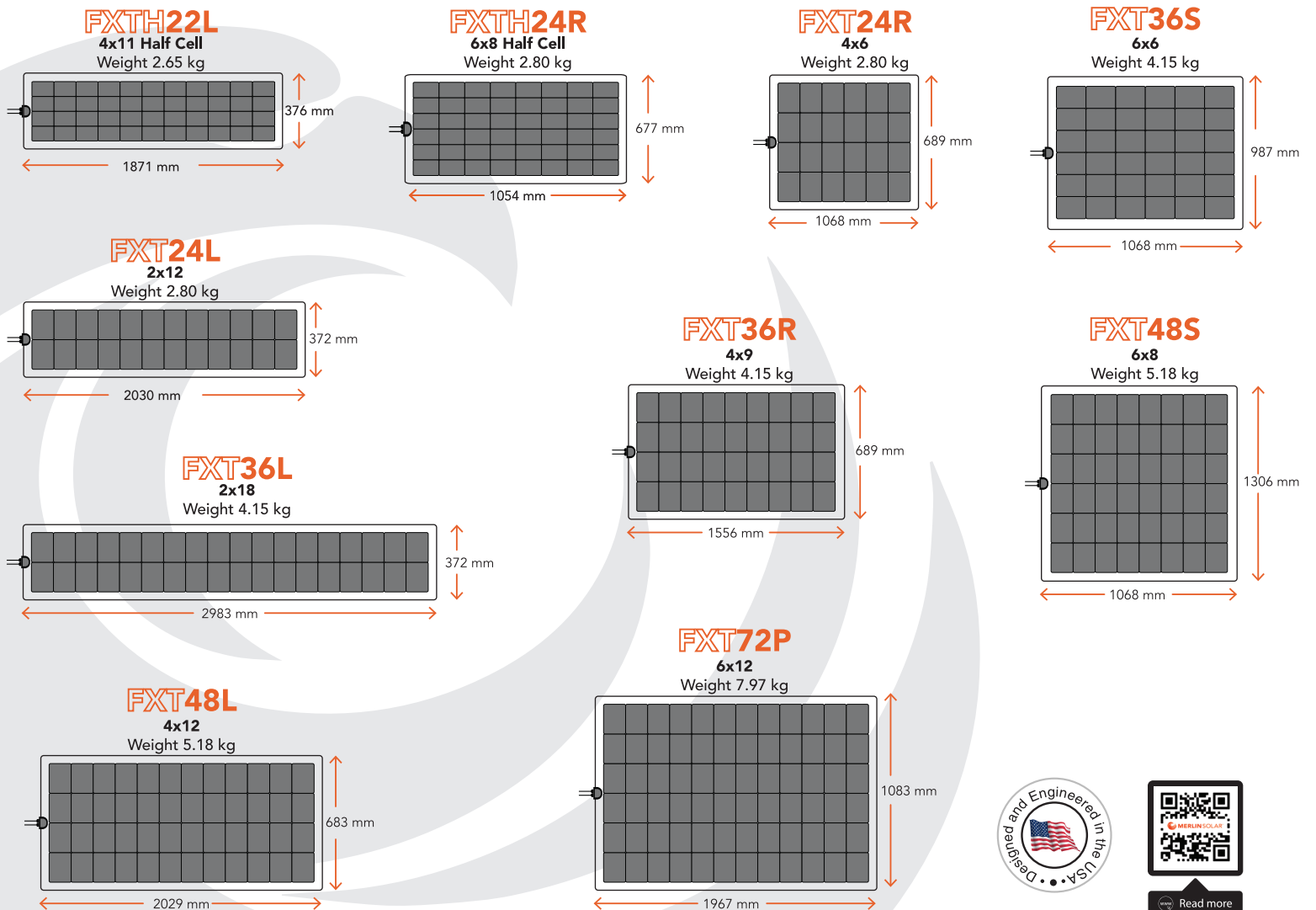
POWER USAGE

- Charge & Maintain Batteries
- Portable Electronics
- Fans & Lights
- Refrigerators & Freezers
- Pumps, Alarms, & Sensors
- TV, Stereos, & Appliances

TECHNICAL SPECS

Electrical Characteristics (STC) ¹ MERLIN® PV Module Specs	Unit	FXTH22L	FXTH24R	FXT24L FXT24R	FXT36L FXT36S FXT36R	FXT48L FXT48S	FXT72P
Top		JBOX LP					
Cell Type		PERC					
Number in Series		44	48	24	36	48	2 x 36
Rated Power (Pmax)	W	105	115	115	170	230	340
Voltage Pmax	Vdc	24.59	26.93	13.39	19.79	26.78	19.79
Current Imp	Amps	4.27	4.27	8.59	8.59	8.59	17.18
Voc	Vdc	29.22	31.87	15.94	23.90	31.87	23.90
Isc	Amps	4.61	4.61	9.21	9.21	9.21	19.15
Active Area Efficiency		18.76%	18.76%	18.76%	18.76%	18.76%	18.76%

1. STC standard test conditions: 1000W/m² intensity, Air Mass 1.5, 25°C cell temperature. Power tolerance is +/- 5% W at STC. The electrical characteristics are within +/- 10% unless otherwise specified.
2. Specifications are subject to change.



Read more



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For further details, contact: **MERLIN SOLAR TECHNOLOGIES, INC.**

5891 Rue Ferrari, San Jose, CA 95138 | Ph: (408) 321-8258

E-mail: sales@merlinsolar.com | www.merlinsolar.com



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