

1500 Series

Single-axis Horizontal High Wind PV Tracker*

**Single-axis
Modular**

Data Specifications:

Part SLR-HZT150-MOT (Single-axis Horizontal PV Tracker (200-250 Watt Panels))

Part SLR-HZT150-ADD (Add-on Section (Limit 3 Add-on's per System))

Mounts 10-40 Panels Based on 250 W Panels



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Energizing the Future

Patriot Solar Group (PSG) manufacturing and engineering for the renewable world. We are committed to providing the highest quality products and service in the industry. Our dedicated sales, engineering, and operations staff keeps the customer and the environment at the forefront of their minds while creating a customized solution to fit your renewable needs. PSG will work hand in hand with you from the conception of the project until completion. If you are in the market for a renewable solution and want more than "just a supplier" look to PSG for your manufacturing and engineering needs.

All Patriot Solar mounts are designed to withstand over 100 mph wind-loading survival and come standard with aluminium modular rails. These modular rails can be assembled to almost any panel manufacturers known to the solar industry. This gives Patriot the ability to offer our customers and installers, quality and peace-of-mind that the system will assemble together fast and efficient.



Base System



Base + Add On



Base + 2 Add On's



Base + 3 Add On's



Features/Benefits:

- ▶ Built more durable than similar units using thick wall steel mount
- ▶ Ideal for remote area installation
- ▶ Minimal maintenance required
- ▶ Low cost foundations
- ▶ Standard universal mounting rails to fit any commercially available photovoltaic panel
- ▶ Can increase productivity of solar modules up to 35%
- ▶ Modular to allow for multiple configurations dependant on field layout

Equipped with SunScout Controller



- ▶ (1) Control system runs up to (4) 20 foot sections
- ▶ Each system is prefab designed for quick installation, ez-bolt together design requires no onsite alignment or welding

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Data Specifications



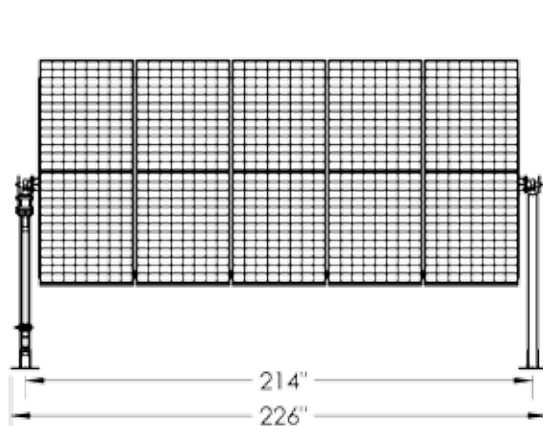
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Mechanical Data

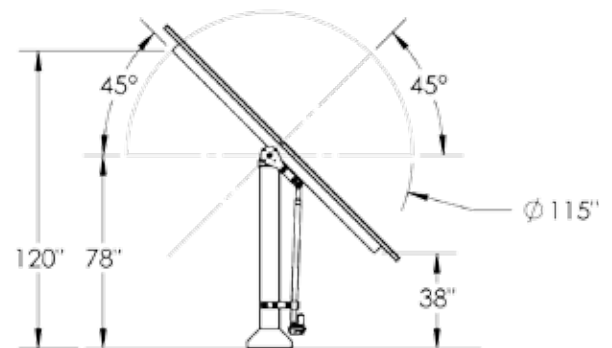
*Based on 250 W Panels

	Base System	+ 1 Add On	+ 2 Add On's	+ 3 Add On's
Type	Motorized Horizontal	Motorized Horizontal	Motorized Horizontal	Motorized Horizontal
Rail Length (in/cm)	115 in (292 cm)	115 in (292 cm)	115 in (292 cm)	115 in (292 cm)
Height (in/cm)	78 in (198 cm)	78 in (198 cm)	78 in (198 cm)	78 in (198 cm)
Degrees of Elevation Travel	+/- 45 degrees	+/- 45 degrees	+/- 45 degrees	+/- 45 degrees
Width (in/cm)	226 in (574 cm)	452 in (1,148 cm)	678 in (1,722 cm)	904 in (2,296 cm)
Wind Survival (stow position)	100 mph (161 km/h)	100 mph (161 km/h)	100 mph (161 km/h)	100 mph (161 km/h)
Quantity of Modules (based on 1.6 m ² modules)	10 (994 mm x 1640 mm x 46 mm)	20 (994 mm x 1640 mm x 46 mm)	30 (994 mm x 1640 mm x 46 mm)	40 (994 mm x 1640 mm x 46 mm)
Beam section	4 in x 4 in x 5/16 in wall x 16 ft long	4 in x 4 in x 5/16 in wall x 16 ft long	4 in x 4 in x 5/16 in wall x 16 ft long	4 in x 4 in x 5/16 in wall x 16 ft long
Module Orientation	Portrait	Portrait	Portrait	Portrait
Mounting Area (does not include panel overhang)	153 ft ² (14 m ²)	306 ft ² (28 m ²)	459 ft ² (42 m ²)	612 ft ² (56 m ²)
System Weight (lbs/kilo)	951 lbs (431 kg)	1,654 lbs (750 kg)	2,357 lbs (1,069 kg)	3,060 lbs (1,388 kg)

Maximum add on's are 3 per a system.



1 Section View



Warranty

- ▶ Ten (10) years against mechanical failure (breakage) of the frame construction
- ▶ Two (2) years on Electronics and Workmanship

All specifications subject to change without notice.

*Based on 994mm x 1640mm x 46mm 250w Panels

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