

## The SE-500X delivers smart energy.

The Soliant Energy SE-500X delivers the most powerful, reliable and cost-effective solar solution for commercial rooftops with high energy demands and limited space. Critical peak-hour energy output stays strong with Soliant Energy's patent-pending TipTilt Tracking™ dual-axis technology. The SE-500X gives you unsurpassed energy output, long-term reliability, and the lowest cost of energy.

**Take control of your energy costs with the SE-500X.** Soliant's reliable, field-proven materials and components are efficient, compact and lightweight. Installed less than two feet tall, the SE-500X generates 335 watts at peak with Soliant's proprietary high-powered receiver and fresnel lens. And Soliant's TipTilt Tracking system tracks the sun's movement throughout the day within 1/10 of one degree precision.



*Designed with you in mind, the SE-500X saves you time and money with its superior energy output, maintenance-free tracking components, easy installation, and wind-transparent design.*



*Nearly double your rooftop's energy output\* with Soliant's proprietary dual-axis TipTilt Tracking, high-efficiency cells, and superior temperature coefficient.*



### WITH THE SOLIANT SE-500X YOU GET:

#### **More energy output.**

You can nearly double your rooftop's energy production\* with the SE-500X's high-efficiency cells, dual-axis TipTilt Tracking, and superior temperature coefficient.

#### **Lowest cost of energy.**

Because the SE-500X gives you much more energy output, you get the lowest cost of energy on the market.

#### **Low installation cost.**

Save even more money with 40-50% fewer panels, 60% more watts per string, and 60% fewer DC strings.\*\*

#### **Maintenance-free tracking components.**

Get 25+ years life with Soliant's smart, reliable, robust design.

#### **Low wind profile.**

Save construction costs with the SE-500X's low profile, wind transparent design—suited for non-penetrating installations.

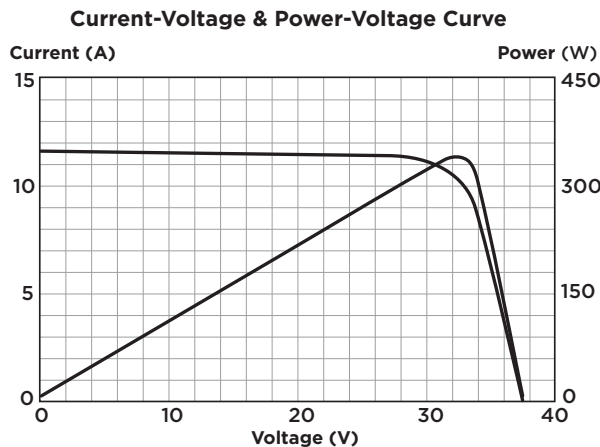
\*Compared to conventional thin film PV.

\*\*Compared to conventional PV.

# SOLIANT SE-500X SPECIFICATIONS

## ELECTRICAL DATA • TRACKING PANEL

$P_{max}$ (CSTC)	335	W	(900 W/m <sup>2</sup> DNI, cell temp. 25°C)
$P_{max}$ (PTC)	315	W	Performance test conditions
$V_{oc}$	34.5	V	
$I_{sc}$	11.8	A	
$V_{pmax}$	29.4	V	
$I_{pmax}$	10.9	A	
Max V IEC, UL	1000, 600	V	
Series Fuse Rating	20	A	
NOCT	65	°C	(800w/m <sup>2</sup> , 20°C, 1 m/s WS)
Temp. coeff. Power	-0.2	%/°C	
Temp. coeff. $I_{sc}$	5.0	mA/°C	
Temp. coeff. $V_{oc}$	-9.2	mV/°C	(module)
Module Efficiency	22.5	%	(900 W/m <sup>2</sup> DNI)

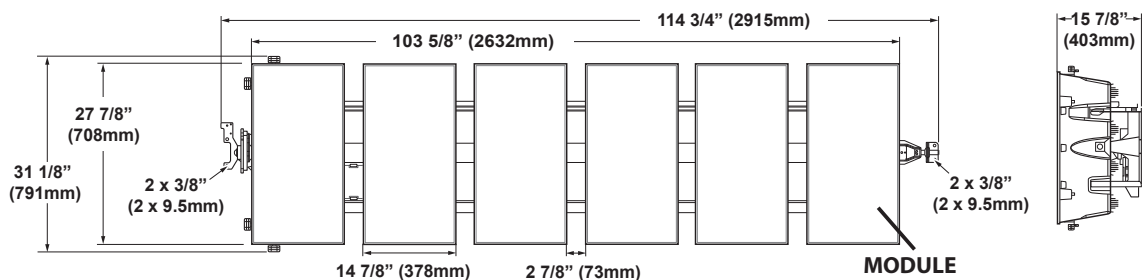


Measured at performance test conditions (PTC). Irradiance of 900 W/m<sup>2</sup> DNI, Ambient Temp. 20°C, 4 m/s wind speed

## MECHANICAL DATA

Cell type	Triple-Junction High-Efficiency Solar Cells on Germanium Substrate
Panel construction	Acrylic lens, composite housing, aluminum heat sink
Integrated tracker	Marine-grade aluminum and 300SS, TipTilt Tracking™ closed loop tracking, fits most PV mounting systems
Output cables	80 inch length with locking connectors
Grounding	Integrated to mount, or optional factory installed lug
Roof load	4 lbs/ft <sup>2</sup> high density array, <1 lb/ft <sup>2</sup> low density array
Max Load	70 lbs/ft <sup>2</sup> (3300 Pa) front and back
Wind performance	130 mph (208 km/h) non-penetrating or penetrating
Operating and storage temp	15°F to 130°F
Cells per module	8
Modules per panel	6
Cells per panel assembly	48
Concentration (optical)	500x
Weight (lbs, kg)	138, 62.6
Dimension	(see diagram)
Area* (ft <sup>2</sup> , m <sup>2</sup> )	20.8, 1.93

## TRACKING PANEL ASSEMBLY



\*Includes internal tracking components.

**CERTIFICATIONS** Pending

**WARRANTY** 25-year limited power warranty, 5-year limited product warranty

**CAUTION** Read safety and installation instructions before using this product



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