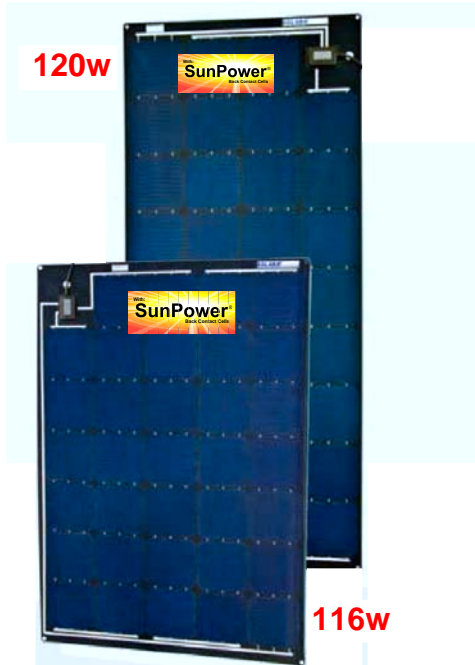


# Marine Solar Panels SOLARA®



All Solara wafer-thin, walk-on panels from the **Premium, Professional 42 Cell, and Power M** ranges incorporate a corrosion resistant, powder coated stainless steel or DiBond backing plate for maximum rigidity while allowing for some bending (3%) on curved surfaces. A tough, rubber-like encapsulation with 5mm edge-overlap results in a slip resistant, non-clouding finish which protects against UV, ozone, salt water, and acid rain, yet allows for maximum light penetration. Solara Marine Solar Panels are designed and constructed to resist the knocks, shocks, and vibration that is to be expected in marine installations, and can be walked on when installed correctly. Each panel is tested for quality and performance and is complete with an 8' UV and ozone proof cable that terminates in a potted, weatherproof, and low-profile terminal box. All models are available as a custom order with the terminal box mounted on the rear of the panel.



Solara **Ultra** aluminum framed, glass panels are specifically designed and constructed for marine applications. High torsional rigidity is assured from the special anodized aluminum frame construction. Excellent heat and humidity resistance. Highest grade SunPower cells for maximum low-light performance and highest efficiency. Guaranteed minimum power rating. 5 year product and 25 year performance warranty.



# Rugged Marine Solar Panels

## Thin Walk-On Panels

## Glass Panels

### SOLAR PANELS

### Premium, Professional, and Power Series

	12w	18w	23w <sup>5</sup>	25w	34w <sup>5</sup>	35w	45w <sup>5</sup>	50w	68w <sup>5</sup>	70w	Power M	
<b>Watts<sup>1</sup></b>	12w	18w	23w <sup>5</sup>	25w	34w <sup>5</sup>	35w	45w <sup>5</sup>	50w	68w <sup>5</sup>	70w	116w	120w
<b>Volts at Peak Power<sup>1</sup></b>	19v	19v	19v	20.7v	19v	19.7v	19v	21.2v	18.5v	19.5v	19.7v	20.3v
<b>Amps at Peak Power<sup>1</sup></b>	0.63a	0.94a	1.21a	1.21a	1.78a	1.78a	2.36a	2.36a	3.67a	3.6a	5.9a	5.9a
<b>Watt/Hrs per Day<sup>2</sup></b>	36	60	80	100	120	140	160	200	225	280	464	480
<b>Length</b>	17.5"	24.4"	18.1"	26"	23.2"	26"	29.8"	26"	31.5"	32.4"	38.8"	49.1"
<b>Width</b>	10.5"	9.8"	17.3"	13.9"	18.1"	18.5"	18.1"	23.3"	25.4"	26"	26.8"	21.3"
<b>Thickness</b>	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	3/16"	3/16"
<b>Weight</b>	2.9lb	3.6lb	4.4lb	5.7lb	6.8lb	7.7lb	8.2lb	9.7lb	11.9lb	13lb	11.7lb	9.7lb
<b>Cells - Number</b>	36	36	36	42	36	42	36	42	35	42	34	35
<b>Cells - Type</b>	Mono	Mono	Mono	Mono	Mono	Mono	Mono	Mono	Mono	Mono	SunPower	SunPower
<b>Hot-Spot Preventer<sup>3</sup></b>	No	No	No	No	R	R	R	R	R	R	R	R
<b>Backing Plate Material<sup>4</sup></b>	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	AL	AL-DB
<b>Controller - MPPT</b>	GV-5	GV-5	GV-5	GV-5	GV-5	GV-5	GV-5	GV-5	GV-5	GV-10	V 75/15	V 75/15
<b>Controller - PWM</b>	SR60UL	SR60UL	SR60UL	SR60UL	SR60UL	SR60UL	SR60UL	SR60UL	SR135TSL	SR135TSL	SR135TSL	SR135TSL
<b>Solara Part Number</b>	S40M36	S60M36	S80M36	S100M42	S120M36	S140M42	S160M36	S200M42	S225M35	S280M42	S440M34	S460M35

Notes: 1 - Peak power at Standard Test Conditions (STC) of 1,000w/sq m irradiance; 25C cell temperature; 1.5 AM air quality.

2 - For estimating purposes only. Daily watt/hour yield on a good solar day in Summer with MPPT controller and adequate load.

3 - Hot-Spot Preventer (By-Pass diodes). R = Remotely mounted in separate box. I = Integral to panel

4 - SS = Stainless Steel AL= Aluminum AL-DB = Aluminum Di-Bond composite Glass = Glass panel with no backing plate

5 - Limited availability. May not be in stock.

### MPPT Controllers

### PWM Controllers



**Gensun GV-5**  
Max O/P - 5 amps  
Max panel - 65w



**Gensun GV-10**  
Max O/P- 10.5 amps  
Max panel - 140w



**Victron 75/15**  
Max O/P - 20 amps  
Max panel - 200w



**Blue Sky 3000i**  
Max O/P - 30 amps  
Max panel - 400w



**Solara SR60UL**  
Max O/P - 4 amps  
Max panel - 60w



**Solara SR135TSL**  
Max O/P - 8 amps  
Max panel - 135w



**Solara SR170CX**  
Max O/P - 10 amps  
Max panel - 170w



**Solara SR/CX Display**  
Remote Display for SR 170CX Controller.



"Watt Wizard" Solar Monitor



**Coastal Climate Control, Inc.**

[www.coastalcoollids.com](http://www.coastalcoollids.com)

301-352-5738 - Annapolis MD USA