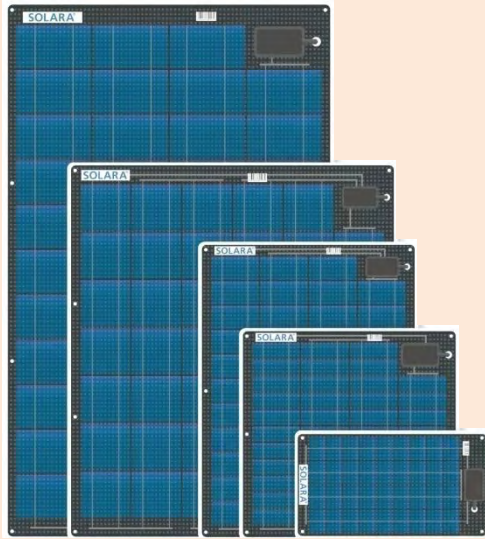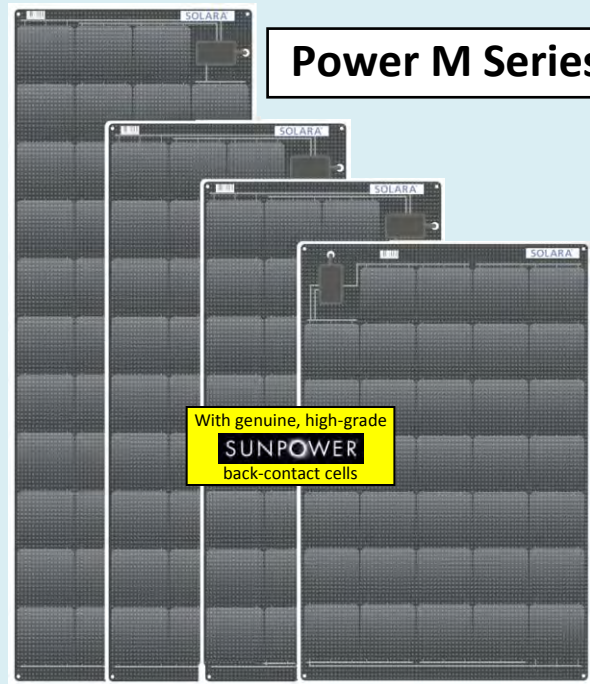# SOLARA® — Marine Solar Panels

Standard M Series

Panel shapes shown may not be representative . See dimensions overleaf.

- ✓ Wafer thin, with aluminum sandwich backing panel.
- ✓ Mount on decks, cabin tops, etc., and can be walked on.
- ✓ Will bend slightly for mounting on gently curved surfaces.
- ✓ Tough, rubber-like coating for maximum protection.
- ✓ Slip resistant, non-clouding, self-cleaning textured finish.
- ✓ 8' UV and ozone proof cable pre-wired into junction box.
- ✓ Low profile Junction Box, sealed and potted for life.
- ✓ Manufactured in Germany to high standards

Power M Series

With genuine, high-grade SUNPOWER back-contact cells

- ✓ Designed and built for the harsh marine environment.
- ✓ Power M panels have genuine high-grade SunPower® monocrystalline cells with over 22.5% efficiency.
- ✓ SunPower® cells have high tolerance to shading.
- ✓ Power M 140w and 115w available with rear junction box.
- ✓ Encapsulated, not laminated, with 5mm edge overlap.
- ✓ Cable hole blank next to Junction Box for neat installation.
- ✓ 5 year manufacturing defect warranty.

Ultra Series Glass Panels

With genuine, high-grade SUNPOWER back-contact cells

- ✓ Ultra Series panels use genuine high-grade SunPower® back contact monocrystalline cells with over 22.5% efficiency.
- ✓ Excellent heat, humidity and vibration resistance.
- ✓ SunPower® back-contact cells have high shade tolerance.
- ✓ Attractive and unobtrusive all-black finish.
- ✓ High torsional rigidity from double-walled aluminum frame.
- ✓ All-around flange and upgraded corner splines.
- ✓ SunPower® cells give superior performance in high temperature, low light, and low sun angle conditions.
- ✓ Scratch resistant, thermally hardened, low iron glass.
- ✓ Narrow width allows for multiple panel installations.
- ✓ Manufactured in Germany to high standards.
- ✓ Designed and built for the harsh marine environment.
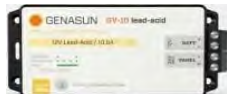- ✓ 5 year manufacturing defect warranty.

SOLARA®

	Standard M Series					Power M				Ultra	
Watts (nom)[1]	12w	27w	41w	55w	80w	100w	110w	115w	140w	120w	150w
Volts at Peak Power[1]	19.2v	22.3v	22.9v	22.9v	21.8v	17.7v	19.7v	20.3v	24.3v	20.2v	25.1v
Amps at Peak Power[1]	0.61a	1.22a	1.81a	2.4a	3.62a	5.8a	5.9a	5.9a	5.8a	5.43a	5.58a
Watt/Hrs per Day[2]	50	110	170	220	320	430	464	480	560	440	565
Length	17.0"	18.3"	25.7"	33.2"	31.4"	44.1"	38.8"	49.1"	59.3"	49"	59"
Width	10.5"	18.9"	18.1"	18.1"	27.4"	21.3"	26.8"	21.3"	21.3"	22"	22"
Thickness	1/8"	1/8"	1/8"	1/8"	1/8"	3/16"	3/16"	3/16"	3/16"	1.6"	1.6"
Weight	2.0lb	3.7lb	4.8lb	6.2lb	8.1lb	7.9lb	11.7lb	9.7lb	11.2lb	17.4lb	21.2lb
Cells - Number	36	42	43	43	41	31	34	35	43	36	44
Cells - Type	Poly	Poly	Poly	Poly	Poly	SunPower	SunPower	SunPower	SunPower	SunPower	SunPower
Hot-Spot Preventer[3]	No	No	R	R	R	R	R	R	R	I	I
Controller - MPPT	GV-5	GV-5	GV-5	GV-5	V75/15	V 75/15	V 75/15	V 75/15	V 75/15	V75/15	V75/15
Controller - PWM	SR60UL	SR60UL	SR60UL	SR60UL	SR170CX	SR170CX	SR170CX	SR170CX	SR170CX	SR170CX	SR170CX
Solara Part Number	S50P36	S110P42	S170P43	S220P43	S320P41	S400M31	S440M34	S460M35	S560M43	S480M36	S625M44
RETAIL PRICE	$349	$449	$549	$698	$898	$1,049	$1,199	$1,199	$1,399	$899	$1,049

SUNPOWER

Notes: 1 - Nominal peak power and color of cell and backing sheet may differ slightly from panel to panel.
2 - For estimating purposes only. Daily watt/hour yield on a good solar day in Summer with MPPT controller and full load.
3 - Hot-Spot Preventer (By-Pass diodes). R = Remotely mounted in separate box. I = Integral to panel

MPPT Controllers   PWM Controllers

Genasun GV-5
12v - Max O/P 5a
Max panel - 65w
$75

Genasun Boost
12v to 24v, 36, 48v
Max panel - Varies
From $119

Victron 75/15
12/24v - Max O/P 15a
Max panel - 200w (12v)
$99

Victron 100/30
12v/24 - Max O/P 30a
Max panel - 440w (12v)
$237

Solara SR60UL
LED Indicator
12v - Max O/P 4a
Max panel - 60w
$27

Solara SR170CX
With Remote Display
12v - Max O/P 10a
Max panel - 170w
$124

Fox 06-2 In-Line
With 5m Cable & Plug
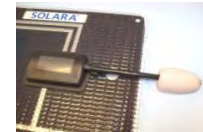12v/24v - Max O/P 6a
Max Panel - 100w (12v)
$79

Deck Glands

PYI Single-Cable Deck Gland
Max cable dia 15mm (9/16") OD
Gray Plastic $21 Black Aluminum $41 Stainless $35

PYI Multi-Cable ABS Deck Gland
Max cable dia - 17mm (11/16")
Gray Plastic $37 Black Aluminum $62 Stainless $64

ScanStrut Low Profile Deck Gland
DS-H6 For cables up to 1/4" (6mm) OD. $18
DS-H10 For cables from 6mm to 10mm OD $26

Cable

$4/ft

4 Conductor Solar Cable
AWG 10 Multi-strand
ABYC compliant

Cable by the Foot

$2/ft

3 Conductor Solar Cable
AWG 12 Multi-strand
ABYC compliant

AWG 12 - $0.50/ft
AWG 10 - $0.60/ft

Single Conductor Solar Cable
AWG 10 and AWG 12 Tinned
Multi-strand, ABYC compliant

Cable Sets

10 AWG
50' $34
100' $55

12 AWG
50' $30
100' $48

Single Conductor Solar Cable Sets
Multi-strand, ABYC compliant.
With MC 4 connectors for Ultra panels

$99

Watt Wizard Solar Monitor

Coastal Climate Control, Inc.
www.CoastalClimateControl.com - info@CoastalClimateControl.com
301-352-5738 - Annapolis MD USA

$149
All Sizes

EZ Mount Frame