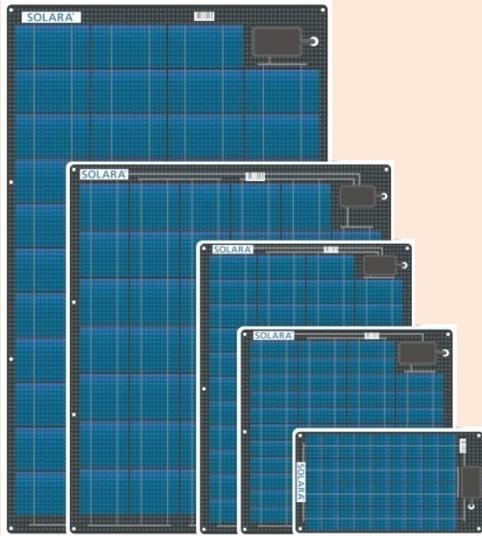# SOLARA® — Marine Solar Panels
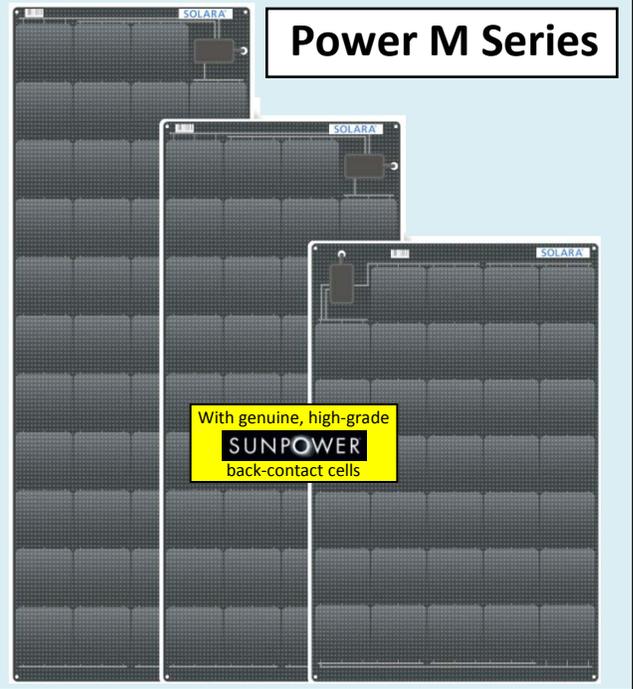
Standard M Series

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

Power M Series

With genuine, high-grade **SUNPOWER** back-contact cells

- ✓ Wafer thin, with aluminum or stainless steel 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

- ✓ 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.
- ✓ Resistant to vibration, ozone, salt, UV, and acid rain.
- ✓ 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	110w	115w	140w	110w	140w
Volts at Peak Power[1]	19.2v	22.3v	22.9v	22.9v	21.8v	18.9v	19.8v	23.7v	20.2v	25.1v
Amps at Peak Power[1]	0.61a	1.22a	1.81a	2.4a	3.62a	5.8a	5.8a	5.8a	5.43a	5.58a
Watt/Hrs per Day[2]	50	110	170	220	320	464	480	560	440	565
Length	17.0"	18.3"	25.7"	33.2"	31.4"	38.8"	49.1"	59.3"	49"	59"
Width	10.5"	18.9"	18.1"	18.1"	27.4"	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"	1.6"	1.6"
Weight	2.0lb	3.7lb	4.8lb	6.2lb	8.1lb	11.7lb	9.7lb	11.2lb	17.4lb	21.2lb
Cells - Number	36	42	43	43	41	34	35	43	36	44
Cells - Type	Poly	Poly	Poly	Poly	Poly	SunPower	SunPower	SunPower	SunPower	SunPower
Hot-Spot Preventer[3]	No	No	R	R	R	R	R	R	I	I
Backing Plate[4]	AL	AL	AL	AL	AL	SS	AL	AL	Glass	Glass
Controller - MPPT	GV-5	GV-5	GV-5	GV-5	V75/15	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
Solara Part Number	S50P36	S110P42	S170P43	S220P43	S320P41	S440M34	S460M35	S560M43	S440M36	S565M44

SUNPOWER   SUNPOWER

Notes:
1 - Nominal peak power. 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

4 - SS = Stainless Steel AL= Aluminum Di-Bond composite Glass = Glass panel with aluminum frame

MPPT Controllers   PWM Controllers

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

Genasun GV-10
12v - Max O/P 10.5a
Max panel - 140w

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

Blue Sky 3000i
12v - Max O/P 30a
Max panel - 400w

Solara SR60UL
12v - Max O/P 4a
Max panel - 60w
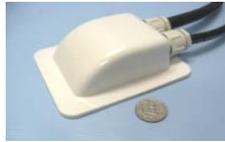
Solara SR170CX
12v - Max O/P 10a
Max panel - 170w

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

Deck Glands

Solara 1-Cable ABS Deck Gland
Single cable up to 1/2" (12mm) OD

Solara 2-Cable ABS Deck Gland
Two cables up to 1/2" (12mm) OD

ScanStrut Low Profile Deck Gland
For cables up to 1/4" (6mm) OD.
Use with cable supplied on Solara walk-on panels

Cable

Cable by the Foot   Cable Sets

4 Conductor Solar Cable
AWG 10 Multi-strand
ABYC compliant

3 Conductor Solar Cable
AWG 12 Multi-strand
ABYC compliant

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

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

Solar Monitor

Watt Wizard Solar Monitor

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

EZ Mount

Mounting frame option for Power M