SUNBEAM SYSTEM
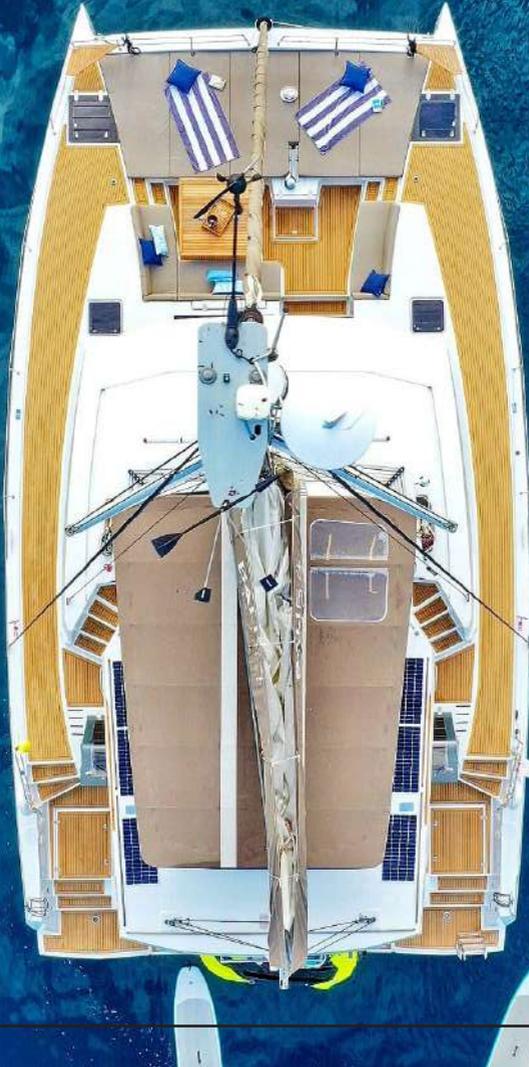
INNOVATIVE POWER SOLUTIONS

High-end Solar Panels | Smart Lithium Batteries
MPPT Charge Controllers | Mobile Smart Home

MARCH 2025

HIGH PERFORMANCE SOLAR PANELS

Discover our products with genuine marine DNA – meticulously designed for optimal performance. Each model undergoes continuous updates, with every new version representing a complete technological lifespan. This means that even if you're already up to date, there's always something new and exciting to explore with us.

WALKABLE SERIES	REINFORCED SERIES	PORTABLE SERIES
TOUGH	**CARBON TOUGH+**	**FOLD**

Multiple test winner, premium panels with antislip surface and 5 years warranty.

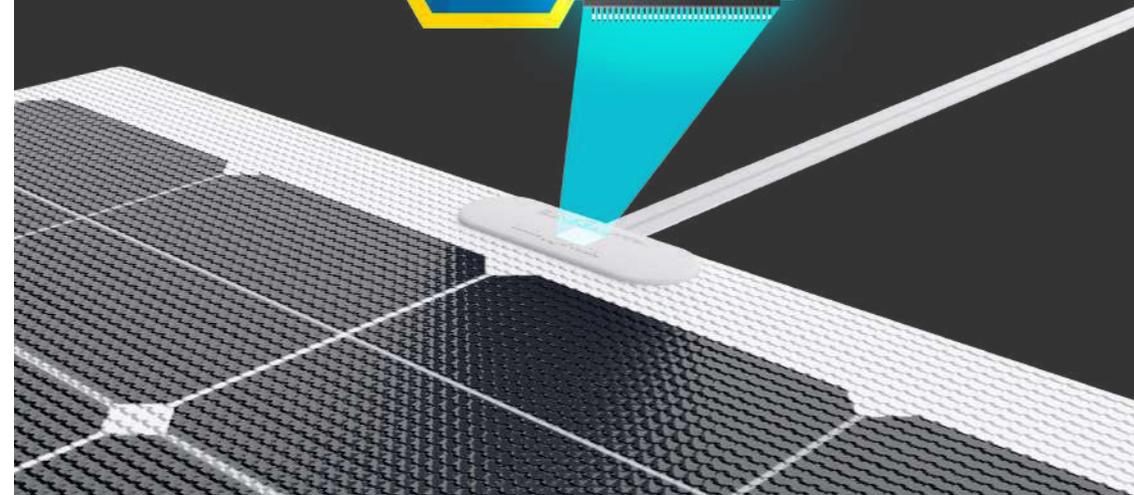The long-life solar panel for canvas & bimini, with internal carbon fiber stringer.

A truly portable solar panel. Lightweight & waterproof.

All SUNBEAMsystem panels with the **Shadow Optimized** label are equipped with our unique shadow optimization technology for higher yield in shaded environments. Panels with **Shadow Optimized IQ** feature an intelligent microprocessor.

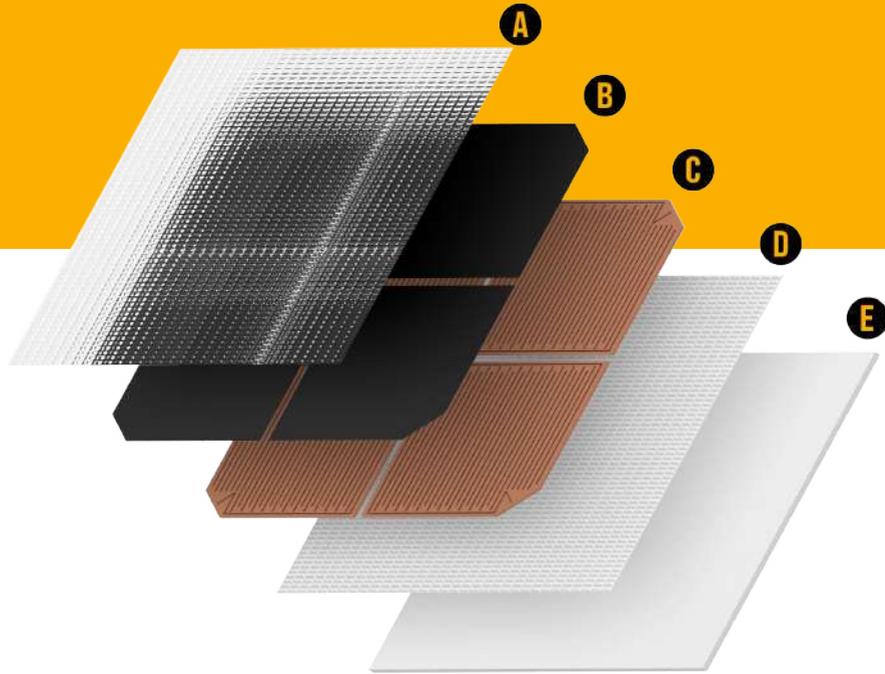Our MoonRay MPPTs with **Shadow Optimized Weather*MAX*** are the perfect complement to our panels, responding instantly to changing weather conditions.

IQ - MICROPROCESSOR ENHANCED

Uses built-in microprocessors for quick and efficient protection of the solar panel. Automatically adapts to both series and parallel connections, delivering higher energy yields and safeguarding against premature cell degradation.

5D-EVO: THE 5-DIMENSIONAL TOUGH DESIGN

A REINFORCED EXTERNAL PROTECTION

Offers exceptional UV-resistance and clarity, surpassing other so-called "high-performance" surfaces like ETFE in mechanical and weather resistance.

B PREMIUM SUNPOWER™ CELLS

Higher efficiency (more watts per square meter), broader light absorption, deep black color, and longer lifespan.

C ADVANCED CONDUITS & DURABILITY CORE

Proprietary technology with durable, expandable internal cables ensures long-lasting performance.

D SHOCK-ABSORBING LAYER

Sturdy material safeguards cells and cables, improving durability and lifespan.

E LIGHTWEIGHT YET STRONG CORE

A high-tech sandwich composite that protects cells with nearly metal-like properties—without the delamination risks of metal/plastic combinations.

FLUSHED SOFT JUNCTION

Over the past decade, we have honed our Soft Junction technology, culminating in 2024 with its most seamless design yet. Our unique flush cable can be bonded on top or routed through a hole beneath the panel for a completely invisible, cable-free installation.

ADVANTAGES

- Up to 6% higher energy output
- Discreet fully hidden cable installation
- Eliminates wear from concentrated pressure on the panel
- Extremely durable and stable under high loads
- Prevents heat-induced deformation of the solar panel

FLUSH CABLE BENEFITS

- Install discretly or completely hidden – your choice
- UV-protected and tinned for maximum durability in marine environments
- Low-loss core in a compact housing just 1.2 mm thick

SUNBEAMsystem employs advanced technology, high-grade solar cells, and durable materials to produce panels that withstand harsh environments. **TOUGH series** panels comes with the unique 5-year warranty*, which our competitors do not offer on lightweight, thin solar panels. Warranty and support are seamlessly managed via the Multi Connect app, which also provides remote control** and online energy statistics** for easy system monitoring and optimization. **Might require additional purchases.

*See the manual for terms and registration requirements.

UNIQUE 5 YEAR
5 YEARS
*TERMS APPLY
WARRANTY

CARBON
DURABLE & LONG-LIFE

The Tough+Carbon panels, equipped with a carbon fiber core and Shadow Optimized-IQ, are the ideal solution for harnessing energy from otherwise unused areas on canopies and biminis.

Their carbon fiber sandwich core provides the necessary rigidity to protect the solar cells on flexible canvases, while maintaining the low weight required to avoid weighing down the fabric. The soft, transparent edges protect the material from wear and create an attractive transition from the canopy to the panel's black surface. Tough+Carbon panels feature cells with 23.7% efficiency (with Tough Carbon 55W averaging 22.6%).

THE BEST CHOICE FOR
CANVAS & BIMINI

ROBUST & DURABLE

Protected Swedish Design

SHADOW OPTMIZED — IQ —

SLIM JUNCTION WITH MICROPROCESSOR

The upgraded Slim Junction box features a sleek, discreet design and waterproof MC4 connectors that deliver high power despite the box's slim profile. The new version incorporates a built-in microprocessor with our proprietary Shadow Optimized – IQ.

SUPPORTS BOTH SERIES AND PARALLEL CONNECTIONS

With Shadow Optimized – IQ, the panel automatically adapts regardless of the chosen charge controller or connection method. Whether your system requires series connections for a specific charge controller or parallel connections to maximize onboard energy, Shadow Optimized – IQ delivers higher performance and extended lifespan.

The Carbon series is specifically engineered for fabric-based surfaces where high rigidity and low weight are crucial. Due to the inherent lack of support in fabric, ordinary soft panels quickly wear out, rendering them unsuitable for fabric roofs. Thanks to its advanced carbon fiber sandwich core, Tough+Carbon maintains structural integrity and delivers outstanding performance and longevity even under adverse conditions. Its innovative design strikes an optimal balance between robustness and minimal weight, making it ideal for installation on bimini tops, sprayhoods, or other fabric roofs.

CHOOSE BETWEEN BUTTON OR VELCRO ATTACHMENT

For general use you can simply attach button fasteners in the fabric yourself. Advanced users, experiencing hard winds or high speeds, can opt for the **CARBON VELCRO BATTEN** which distribute the forces over a larger area of fabric using velcro strips.

FOLD
SERIES

The FOLD panels are perfect for power on the go. Our waterproof FOLD series consists of three different models, each designed to perfectly meet your energy needs. Unfold your FOLD, plug it in, and you're ready to charge!

SMART POWER STATION

Whether you're working remotely or planning your next expedition, the SMART POWER STATION meets all your power needs. Fully compatible and ready to use with our FOLD panels.

SMART & VERSATILE – SOLAR AND GRID CHARGING

This practical power station is available in 150Wh and 300Wh capacities and can handle it all: charge laptops and phones at lightning speed via the USB-C PD 60W port, while the two USB-A ports power all your other electronics. The 12V port is perfect for running a portable cooler or air pump, and with the built-in lamp, you'll never be left in the dark.

Recharge it using a FOLD solar panel, the included power adapter, or a USB-C PD charger.

SMART LITHIUM
PRISMATIC

With cutting-edge technology borrowed from SUNBEAMsystem's more advanced batteries, this model still beats most competitors while it strikes a great balance between performance and affordability.

WHY PRISMATIC CELLS?

Prismatic cells are now the industry standard thanks to their affordability and high performance, which also surpass so-called "pouch" cells in both performance and safety.

Although they have slightly lower durability and efficiency compared to SUNBEAMsystem Stainless Power Matrix-based batteries, they remain an excellent choice for most applications. Their compact and lightweight design results in a smaller form factor.

ADVANTAGES OF PRISMATIC CELLS

COMPACT DESIGN:
Square shape for space efficiency.

COST-EFFECTIVE:
Good performance at a lower price.

MOONRAY SERIES

SHADOW OPTMIZED WEATHER *MAX*

The premium **MoonRay 160 and 320** models now feature cutting-edge **Shadow Optimized Weather*MAX*** technology—specially designed to maximize the performance of solar panels in complex or shaded environments. Whether you're on a boat or in a camper, you'll enjoy enhanced efficiency and reliability.

This year, the MoonRay family has grown with the addition of the all-new **MoonRay Boost MPPT**, offering the unique ability to take full advantage of parallel-connected panels while effectively charging 24V, 36V, or 48V batteries.

DESIGNED FOR HIGH EFFICIENCY:

· ANY TIME OF DAY
· HAZY OR CLOUDY CONDITIONS
· ANY SOLAR PANEL SIZE

INSTANT START-UP, NO VOLTAGE BARRIER POINT:

· EVERY MORNING
· IMMEDIATELY AFTER CLOUDS

SHADOW OPTMIZED WEATHER *MAX*

◆ MPPT FOR BOATS & CAMPERS

◆ WIRELESS APP MONITORING

◆ COMPATIBLE WITH ALL BATTERY TYPES

◆ SHADOW OPTMIZED WEATHER*MAX*

Boost and Slim models feature built-in Bluetooth, while the 160 and 320 (WeatherMAX) require an external Bluetooth module.

MOONRAY
SLIM

The MoonRay Slim is small, compact, and yet extremely efficient. Versatile in use and ideal for smaller installations. Thanks to its lightweight design, this MPPT can be used both as a fixed or portable unit. Equipped with a small LCD screen, compatible with both 12V and 24V systems, and easy to configure for different battery types.

BUILT-IN BLUETOOTH WITH FREE APP

MOBILE SMART HOME READY

SMART LITHIUM

STAINLESS POWER MATRIX

PREMIUM CYLINDRICAL CELLS
BOLTED TO A STAINLESS STEEL FRAME

PLUG & PLAY

54AH   120AH   108AH

MULTI CONNECT APP · **3 MINUTES** INSTALLATION · **UNIQUE 5 YEAR** WARRANTY

AN EFFORTLESS UPGRADE TO LIFEPO4

Replace your old lead-acid batteries with **SMART LITHIUM Plug & Play** – an intelligent, state-of-the-art battery packed with the latest features and the safest, most powerful LiFePO4 technology. A hassle-free battery upgrade you can easily install yourself.

The BMS can handle extremely high loads and is designed to mimic the characteristics of lead-acid batteries: alternator-proof, with no need for additional equipment or complex modifications.

The Plug & Play series features a Stainless Power Matrix – the best cylindrical cells, securely mounted on a stainless steel frame, offering a superior construction. The 120Ah ONE model is the most powerful battery on the market, delivering an impressive 700A peak current. The Multi models are ideal for users requiring high storage capacity.

With the free Multi Connect app, you can wirelessly connect to your batteries.

NEW: 312AH MODEL!

EASY TRANSPORT
WITH THE RUBBERIZED CASING

*SOLD SEPARATELY

12V | 24V | 48V

MORE RANGE. LESS HASSLE.
EASILY GROUP MULTIPLE BATTERIES TOGETHER IN THE APP

DRIVE

ULTRA-MODERN ELECTRIC BOATING

Looking for the perfect battery for electric boating? The SMART LITHIUM DRIVE range provides the ideal power source for both small outboard motors and larger inboard systems. Available from 12V to 48V and with capacities ranging from 1.4kWh to 10kWh.

The new 10kWh model features cylindrical cells, active balancing, and can deliver an impressive 10kW of continuous power. All our batteries come with Multi Connect functionality – a user-friendly app for monitoring and configuration.

WINTER MODE
Use your battery safely in low temperatures

SUPERIOR BMS
Offers the highest level of safety

EASY CHARGE REBOOT
Empty battery sends a start signal to the charger

MULTI CONNECT APP

QUICK CHARGE UP TO 5X FASTER

UNIQUE 5 YEAR WARRANTY

Log in to your personal web page and monitor your system remotely.

*INTERNET ACCESS REQUIRED

MULTI CONNECT APP & MOBILE SMART HOME

SMART HOME TECH ON THE GO

SUNBEAMsystem brings all the luxury and convenience of a smart home to those who love to stay on the move. Real-time energy management: monitor your batteries and solar panels both locally and remotely via the internet.

Smart switches: automate your existing devices. You have full control through an intuitive app.
Your Smart Mobile Home: smarter, more sustainable, fully automated.

CONNECT ALL YOUR SMART GEAR

SUNBEAMsystem SMART LITHIUM batteries provide wireless insights into your battery status, showing how full they are and how much power is flowing in or out. Worried about an empty battery? Set an alarm and receive automatic notifications when a certain percentage is reached!

MoonRay MPPTs stream real-time solar panel data directly to the Multi Connect app. This allows you to see exactly how much energy is being generated and how much charge is going into your batteries. You can also easily review your power generation history from the past days or weeks.

MAKE EVERYTHING ON BOARD SMART

With the Smart Switch, you can automate everything on board. Want hot coffee ready before you get up in the morning?

Or turn off all the lights while you're already in bed? With easy-to-set schedules, you can turn all your onboard equipment into a smart part of your Mobile Smart Home.

SMART SCREEN POWER SAVER

UNIVERSAL WALL MOUNT KIT

With the Smart Screen Power Saver and the Universal Wall Mount, you can use any standard tablet as a central control hub. Securely yet removably mounted on the wall, the screen only turns on when you're nearby.

Solar Panels

TOUGH++

ART #	MODEL	W_p	SHADOW OPT	SIZE (CM)	SUNPOWER CELL	MAX SYS VOLTAGE*	V_{mp}	I_{mp}	V_{oc}	I_{sc}	P_{TOL} +\-	Kg	FLUSH CABLE
TPP-106x54	TOUGH++ 126W	125.8	Yes	106x54	25.20%	30V_{oc}	20.48	6.08	23.26	6.45	3%	2.5	2m
TPP-106x54-IQ	TOUGH++ 126W Shadow Opt-IQ	125.8	Yes	109x54	25.20%	90V_{oc}	20.48	6.08	23.26	6.45	3%	2.5	2m

TOUGH+BLACK

ART #	MODEL	W_p	SHADOW OPT	SIZE (CM)	SUNPOWER CELL	MAX SYS VOLTAGE*	V_{mp}	I_{mp}	V_{oc}	I_{sc}	P_{TOL} +\-	Kg	FLUSH CABLE
TPBlack-106x54	TOUGH+ B 121W	121	Yes	106x54	24.40%	30V_{oc}	20.16	6.01	23.17	6.43	3%	2.5	2m
TPBlack-106x54-IQ	TOUGH+ B 121W Shadow Opt-IQ	121	Yes	109x54	24.40%	90V_{oc}	20.16	6.01	23.17	6.43	3%	2.5	2m
TPBlack-78x54	TOUGH+ B 86W	85.7	Yes	77.8x54	24.40%	30V_{oc}	21.42	4	24.52	4.36	3%	1.9	2m
TPBlack-78x54-IQ	TOUGH+ B 86W Shadow Opt-IQ	85.7	Yes	83.8x54	24.40%	90V_{oc}	21.42	4	24.52	4.36	3%	1.9	2m
TPBlack-54x54	TOUGH+ B 61W	60.5	Yes	54x54	24.40%	30V_{oc}	20.16	3.1	23.17	3.22	3%	1.3	2m
TPBlack-85x27	TOUGH+B 46W L	46.2	Yes	85x27.7	24.40%	30V_{oc}	22.68	2.03	25.96	2.41	3%	0.8	2m

TOUGH+

ART #	MODEL	W_p	SHADOW OPT	SIZE (CM)	SUNPOWER CELL	MAX SYS VOLTAGE*	V_{mp}	I_{mp}	V_{oc}	I_{sc}	P_{TOL} +\-	Kg	FLUSH CABLE
TP-106x54	TOUGH+ 116W	116.1	Yes	106x54	23.7%	30V_{oc}	19.87	5.84	23.07	6.5	3%	2.5	2m
TP-78x54	TOUGH+ 82W	82.3	Yes	77.8x54	23.7%	30V_{oc}	21.12	3.9	24.52	4.36	3%	1.9	2m
TP-54x54	TOUGH+ 58W	58.1	-	54x54	23.7%	30V_{oc}	19.87	2.92	23.07	3.08	3%	1.3	2m
TP-38x53	TOUGH+ 39W	38.7	-	37.8x53.5	23.7%	30V_{oc}	19.88	1.95	23.08	2.05	3%	0.7	2m

TOUGH SERIES

ART #	MODEL	W_p	SHADOW OPT	SIZE (CM)	SUNPOWER CELL	MAX SYS VOLTAGE*	V_{mp}	I_{mp}	V_{oc}	I_{sc}	P_{TOL} +\-	Kg	FLUSH CABLE	EYELETS 6mm
T-106x54-H	TOUGH 111W	110.8	Yes	106x54	22.6%	30V_{oc}	18.56	5.97	21.76	6.32	3%	2.5	1.5	6
T-106x54-IQ	TOUGH 111W Shadow Opt-IQ	110.8	Yes	109x54	22.6%	90V_{oc}	18.56	5.97	21.76	6.32	3%	2.5	1.5	-
T-78x54-H	TOUGH 78W	78.4	Yes	77.8x54	22.6%	30V_{oc}	19.72	3.98	23.12	4.48	3%	1.9	1.5	4
T-78x54-IQ	TOUGH 78W Shadow Opt-IQ	78.4	Yes	83.8x54	22.6%	90V_{oc}	19.72	3.98	23.12	4.48	3%	1.9	1.5	-
T-54x54-H	TOUGH 55W	55.4	Yes	54x54	22.6%	30V_{oc}	19.5	2.82	21.76	3.16	3%	1.3	1.5	4
T-38x53-H	TOUGH 37W	36.9	-	37.8x53.5	22.6%	30V_{oc}	18.57	1.99	21.77	2.11	3%	0.7	1.5	4
T-28x43-H	TOUGH 21W	20.8	-	43.4x27.7	22.6%	30V_{oc}	20.88	0.99	24.48	1.19	3%	0.3	1.5	4
T-15x85	TOUGH 21W L	20.8	-	14.7x85	22.6%	30V_{oc}	20.88	0.99	24.48	1.19	3%	0.3	1.5	-

TOUGH BLACK

ART #	MODEL	W_p	SHADOW OPT	SIZE (CM)	SUNPOWER CELL	MAX SYS VOLTAGE*	V_{mp}	I_{mp}	V_{oc}	I_{sc}	P_{TOL} +\-	Kg	FLUSH CABLE	EYELETS 6mm
T-Black-106x54	TOUGH B 111W Holeless	110.8	Yes	106x54	22.6%	30V_{oc}	18.56	5.97	21.76	6.32	3%	2.5	1.5	-
T-Black-106x54-H	TOUGH B 111W	110.8	Yes	106x54	22.6%	30V_{oc}	18.56	5.97	21.76	6.32	3%	2.5	1.5	6
T-Black-106x54-IQ	TOUGH B 111W Shadow Opt-IQ	110.8	Yes	109x54	22.6%	90V_{oc}	18.56	5.97	21.76	6.32	3%	2.5	1.5	-
T-Black-79x74	TOUGH B114W	114.3	Yes	79×74	22.6%	30V_{oc}	19.14	6.16	22.44	6.52	3%	2.6	1.5	-
T-Black-78x54-H	TOUGH B 78W	78.4	Yes	77.8x54	22.6%	30V_{oc}	19.72	3.98	23.12	4.48	3%	1.9	1.5	4
T-Black-54x54-H	TOUGH B 55W	55.4	Yes	54x54	22.6%	30V_{oc}	19.5	2.82	21.76	3.16	3%	1.3	1.5	4
T-Black-106x27	TOUGH B 55W L	55.4	Yes	106x27.7	22.6%	30V_{oc}	19.5	2.82	21.76	3.16	3%	1.3	1.5	-
T-Black-15x85	TOUGH 21W L	20.8	-	14.7x85	22.6%	30V_{oc}	20.88	0.99	24.48	1.19	3%	0.3	1.5	-

BLACK HOLE GAP FILLER

ART #	MODEL	SIZE	FIXING	CELLS
TBlackHole	TOUGH BLACK Hole Gap Filler	106x54 cm	Not included	No Cells
TPBlackHole	TOUGH+ BLACK Hole Gap Filler	106x54 cm	Included 3M Adhesive	No Cells

CARBON / QUICK FIX

ART #	MODEL	W_p	SHADOW OPT	SIZE (CM)	SUNPOWER CELL	MAX SYS VOLTAGE*	V_{mp}	I_{mp}	V_{oc}	I_{sc}	P_{TOL} +\-	Kg	CABLE 0,7M	FIXING
TPCarbon-107x55	TOUGH+ 116W Carbon	116.1	Yes	107.8 x 55.4	23.70%	90V_{oc}	19.87	5.84	23.07	6.15	3%	2.9	+ MC4	6xQF
TPCarbon-79x55	TOUGH+ 82W Carbon	82.3	Yes	79.6 x 55.4	23.70%	90V_{oc}	21.12	3.9	24.52	4.36	3%	2.1	+ MC4	6xQF
TCarbon-56x55	TOUGH 55W Carbon	55.4	Yes	56.3 x 55.4	22.6%	90V_{oc}	19.5	2.82	25.11	3.16	3%	1.5	+ MC4	4xQF

FOLD SERIES

ART #	MODEL	W_p	FOLD SIZE (CM)	UNFOLD SIZE (CM)	SUNPOWER CELL	V_{mp}	I_{mp}	V_{oc}	I_{sc}	P_{TOL} +\-	MAX SYS VOLTAGE	Kg	SHORT CABLE	EYELETS 9mm
Fold-125-SC	Fold 125W	124.5	29x44	171.5x44	22.6%	20.88	5.97	24.48	6.32	3%	30V_{oc}	2.6	+ MC4	4
Fold-62-SC	Fold 62W	62	28.5x44	85x44	22.6%	20.88	2.99	24.48	3.16	3%	30V_{oc}	1.15	+ MC4	4
Fold-41-SC	Fold 41W	41.5	28x30	84x30	22.6%	20.88	1.99	24.48	2.11	3%	30V_{oc}	0.9	+ MC4	4

MAXA

ART #	MODEL	W_p	SHADOW OPT	SIZE (CM)	SUNPOWER CELL	V_{mp}	I_{mp}	V_{oc}	I_{sc}	P_{TOL} +\-	MAX SYS VOLTAGE*	Kg	CABLE
X106x-54FS-Black	Maxa Black 109W	109.1	Yes	106x54	22.3%	18.432	5.92	21.696	6.29	4%	30V_{oc}	2	Flush 1.5m
X106x54FS	Maxa 109W	109.1	Yes	106x54	22.3%	18.432	5.92	21.696	6.29	4%	30V_{oc}	2	Flush 1.5m
X106x54JB	Maxa 109W JB	109.1	Yes	106x54	22.3%	18.432	5.92	21.696	6.29	4%	30V_{oc}	2	MC4 0.7m
X106x27FS	Maxa 54W Long	54	Yes	106x27.7	22.3%	20.224	3.06	25.74	2.75	4%	30V_{oc}	1	Flush 1.5m
X38x53	Maxa 35W	35,2	No	53.5x37.8	22.3%	18.57	1.9	21.77	2.11	4%	30V_{oc}	0.7	Flush 1.5m

Tested at: 1000W/m² | 1.5atm | 25°C | T_{coeff} [I_{sc} 0.05] - [V_{oc} 0.27] - [Pmax 0.29] %/°C
Weight: Listed weights without cables.

3-Year Warranty Extension (5-Year Total) applicable for TOUGH, TOUGH+Black, TOUGH+, TOUGH, TOUGH Black, and CARBON series (Registration required). Maxa and Fold series standard warranty is applied.

3M VHB - included full size sticker on TOUGH++, TOUGH+Black and TOUGH+ series.

*SERIAL CONNECTIONS only IQ panels can be put in series (Max 3 panels). Use boost MPPT with parallel connected panels for 24/36/48V systems

SMART LITHIUM Batteries

PLUG & PLAY SERIES

ART #	MODEL	CAPACITY	STAINLESS P. MATRIX	CELL TYPE	SYS VOLT.	MAX CONT CHARGE	MAX CONT DISCHARGE	(1OS) PEAK DISCHARGE	WEIGHT	SIZE L X W X H
SmartLiPP-One-12-108	SMART LITHIUM Plug & Play ONE 108Ah	108Ah	Yes	Cylindrical 32700	12V	200A	200A	600A	13.55kg	32.3x17.1x 22 cm
SmartLiPP-One-12-120	SMART LITHIUM Plug & Play ONE 120Ah	120Ah	Yes	Cylindrical 32700	12V	240A	240A	750A	14.9kg	32.3x17.1x 22 cm
SmartLiPP-Multi-12-312	SMART LITHIUM Plug & Play MULTI 312Ah	312Ah	Yes	Cylindrical 32700	12V	250A	250A	700A	38kg	52x26.9x 22cm
SmartLiPP-Multi-12-108	SMART LITHIUM Plug & Play MULTI 108Ah	108Ah	Yes	Cylindrical 32700	12V	100A	100A	400A	13.55kg	32.3x17.1x 22 cm
SmartLiPP-Multi-24-54	SMART LITHIUM Plug & Play MULTI 24V 54Ah	54Ah @24V	Yes	Cylindrical 32700	24V	50A	50A	200A	13.55kg	32.3x17.1x 22 cm
SmartLiModelS	SMART LITHIUM Plug & Play ModelS	38Ah	Yes	Cylindrical 32700	12V	60A	80A	140A	4.75kg	13x19.5x 16.5 cm

DRIVE SERIES

ART #	MODEL	CAPACITY	STAINLESS P. MATRIX	CELL TYPE	SYS VOLT.	SUITABLE CHARGER	MAX MOTOR	WEIGHT	SIZE L X W X H
SmartLiDRIVE 12-1000	SMART LITHIUM DRIVE 12V 1000Wh	1000Wh	Yes	Cylindrical 32650	12V	12V charger	55 lbs	10.8kg	32.3x17.1x 22 cm
SmartLiDRIVE 12-1400	SMART LITHIUM DRIVE 12V 1400Wh	1400Wh	Yes	Cylindrical 32650	12V	12V charger	65 lbs	13.5kg	32.3x17.1x 22 cm
SmartLiDRIVE 24-1400	SMART LITHIUM DRIVE 24V 1400Wh	1400Wh	Yes	Cylindrical 32650	24V	24V charger	85 lbs	13.5kg	32.3x17.1x 22 cm
SmartliDRIVE-P-48-5k-5k	SMART LITHIUM DRIVE Prismatic 48V 5kWh 5kW	5.1kWh	-	Prismatic	48V	5kW, CC/CV top 54.75V	5kW	38kg	52x26.9x 22cm
SmartliDRIVE-P-48-10k-10k	SMART LITHIUM DRIVE Prismatic 48V 10kWh 10kW	10kWh	-	Prismatic	48V	10kW, CC/CV top 58.4V	10kW	110kg	55x45x 28.5cm
SmartliDRIVE-Cyl-Act-48-10k-10k	SMART LITHIUM DRIVE 48V 10kWh 10kW	10kWh	Yes	Cyl32650 Active Balancing	48V	10kW, CC/CV top 58.4V	10kW	110kg	64x49.2x 29.5cm

RACE SERIES

ART #	MODEL	CAPACITY	STAINLESS P. MATRIX	CELL TYPE	SYS VOLT.	COMPATIBLE EV	WARRANTY EXTENSION	WEIGHT	SIZE L X W X H
SmartLiRACE-MS-12-38	SMART LITHIUM RACE ModelS Upgrade	38Ah	Yes	Cylindrical 32650	12V	Tesla Model S 2014-2021	Yes	4.75kg	13x19.5x 16.5 cm
SmartLiRACE-MS-12-18	SMART LITHIUM RACE ModelS Ultralight Upgrade	18Ah	-	Cylindrical 32650	12V	Tesla Model S 2014-2021	No	2.6kg	13x19.5x 16.5 cm
SmartLiRACE-M3-12-24	SMART LITHIUM RACE Model3 Ultralight Upgrade	24Ah	-	Cylindrical 32650	12V	Tesla Model 3 2017-2022	No	3.75kg	23.8x13.3 x19.8 cm
SmartLiRACE-P2-12-50	SMART LITHIUM RACE Polestar2 Upgrade	50Ah	-	Prismatic	12V	Polestar 2 All years	Yes	5.7kg	27.9x17.5 x18.9 cm

PRISMATIC SERIES

ART #	MODEL	CAPACITY	STAINLESS P. MATRIX	CELL TYPE	SYS VOLT.	MAX CONT CHARGE	MAX CONT DISCHARGE	(1OS) PEAK DISCHARGE	WEIGHT	SIZE L X W X H
SmartLiPrism-12-100	SMART LITHIUM Prismatic 100Ah	100Ah	No	Prismatic	12V	100A	100A	400A	12.3 kg	26x16.9x 21 cm

3-Year Warranty Extension (5-Year Total) applicable for Plug & Play, Drive, and selected models of Race Series. (Registration required)

SMART POWER STATION

ART #	MODEL	CAPACITY	CELL TYPE	SYS VOLTAGE	MAX CONT CHARGE	MAX CONT DISCHARGE	WEIGHT	SIZE L X W X H
SPS150	Smart Power Station 154Wh MPPT	154Wh	Cyl. LiFePO4	5V (USB) /12V	45W (USB-C) / 50W (PV)	60W (USB-C PD)	1470g	20.7x15x 4.1cm
SPS300	Smart Power Station 300Wh MPPT	300Wh	Cyl. LiFePO4	5V (USB) /12V	45W (USB-C) / 50W (PV)	60W (USB-C PD)	2940g	21x16x 7.7cm

Charge Controllers

MOONRAY

ART #	MODEL	SYSTEM VOLTAGE	MAX. PV INPUT	WEIGHT	SIZE
MoonRay160G2	MoonRay 160 Gen 2 WeatherMax MPPT	12/24V DC	160W (12V) / 320W (24V)	0.6 kg	17.5x14.2x5.1cm
MoonRay320G2	MoonRay 320 Gen 2 WeatherMax MPPT	12/24V DC	320W (12V) / 640W (24V)	1.1 kg	22.2x16.2x6.3cm
MoonRay Boost	MoonRay Boost MPPT	24/36/48V DC	365W	1.2kg	22x15.9x6.8cm
MoonRay Slim	MoonRay Slim 15A MPPT	12/24V DC	200W (12V) / 400W (24V)	350g	16.8x7.3x3cm

MINI MPPT

ART #	MODEL	BATT. SYS. VOLTAGE	BATTERIES COMPATIBILITY	MAX CURRENT	MAX PV RATING	SELF CONSUPTION	TEMP. RANGE	PROTECTION	WEIGHT	SIZE
Mini-MPPT	Mini Portable MPPT charge controller	12V	GEL | AGM | SEALED | LiFePO4	10A	140W/ 30Voc	0.009A	-30°C to 50°C	IP45	160g cover incl.	10.2x6.5x 2.7cm

USB CHARGER

ART #	MODEL	BATT. SYS. VOLTAGE	INPUT	COMPATIBILITY RANGE		OUTPUT		WEIGHT	SIZE
USB-charger	Solar Direct Connect USB & USB-C PD	12V	10-24V DC	Between 14/24Vmp	20W up to 140W	1 x USB QC 3.0	1 x USB-C PD	33g	30x80x 23mm

Mobile Smart Home

SMART CUSTOM SWITCH

ART #	MODEL	POWER SOURCE	NUMBER OF SWITCHES	MAX SWITCH CURRENT	WEIGHT	SIZE
Smart2xsw	Smart Custom Switch	5V or 6-24V DC	2	10A	75g	50x82x31mm

SMART BATTERY MONITOR LIGHT

ART #	MODEL	POWER CONSUMPTION	BATTERY COMPATIBILITY	WEIGHT	SIZE
Smartbmlight	Smart Battery Monitor Light	1mA @ 12V	Any 12V Battery	32g	56x35x15mm

SMART SCREEN POWER SAVER

ART #	MODEL	SCREEN POWER USE	BATTERY LIFE	BATTERY MODEL	FITTING	WEIGHT	SIZE
SmartBasePIR	Smart Screen Power Saver	0.3 - 0.5 Watts	3 Year	CR2477	Incuded 3M sticker	25g	43.6x43.6x15mm

UNIVERSAL WALL MOUNT KIT

ART #	MODEL	COMPATIBILITY	CABLE	MAGNETS	FITTING	SIZE
SmartWMkit	Universal Wall Mount kit	Android Tablets	50cm - USB-C cable	8x Super Magnets	Incuded 3M sticker	5.2x9.2x0.9cm

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