

ARMORCELL

FLEXIBLE SOLAR. UNMATCHED DURABILITY.

Keep your fleet powered without shore lines.
ARMORCELL thin-film solar hides away and provides
mission-critical power for our nation's first responders



SELF-ADHESIVE SOLAR KITS

Trusted by thousands of crews nationwide, ARMORCELL panels are engineered for the rigors of EMS, fire, and police. Today's rigs are loaded with power-hungry onboard systems. Don't let a dead battery stop your crew from answering the call.

EVERY KIT INCLUDES

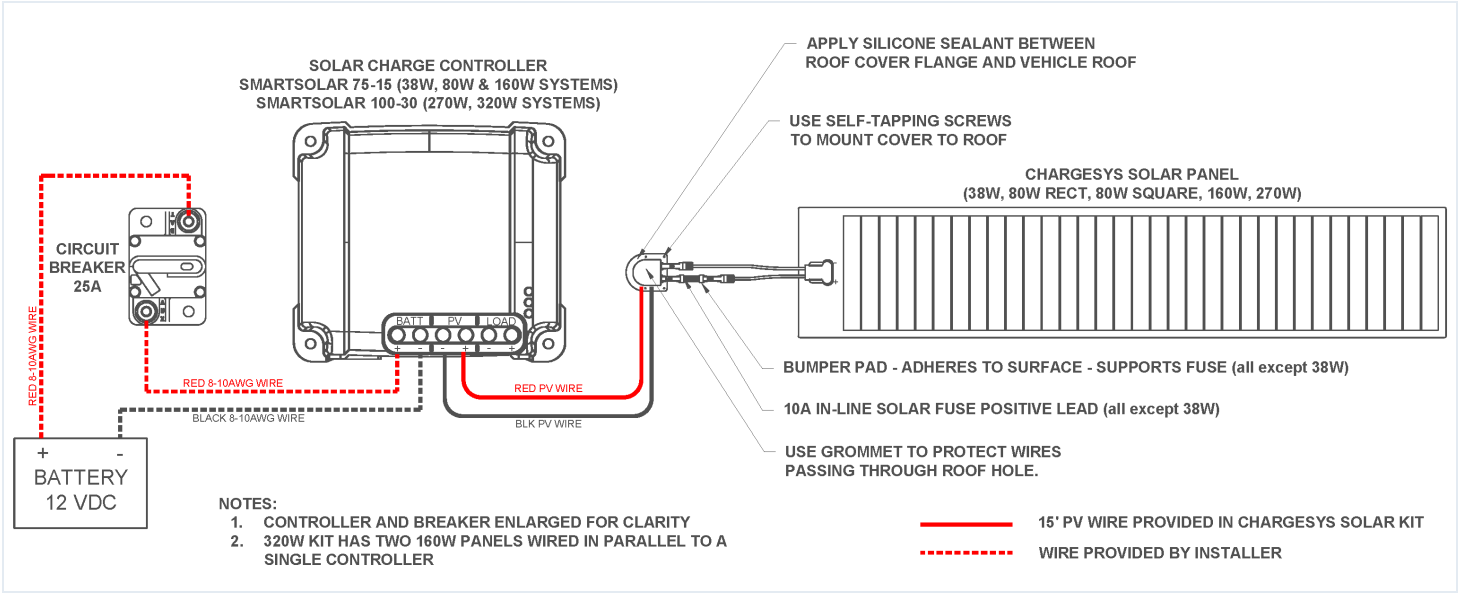
Self-adhesive ARMORCELL panel	Victron SmartSolar MPPT controller	Sealed wire roof covers
Installation accessories	Circuit breaker / Inline Fuse	5-year warranty

WATTS	SKU	KIT	PANEL SIZE
38_W	SK38-ACV	Battery Maintenance Kit Start your rig every time. Keeps on-board batteries charged, conditioned, and ready while operating, docked, parked, or stored.	13.7" x 34.2"
80_W	SK80-ACV	Solar Charging Kit Everyday solar charging. Holds battery state of charge and runs accessories during use or between trips.	13.7" x 67.3"
80_W	SK80Q-ACV	Solar Charging Kit – Square Format Same 80W performance in a square footprint, for roofs that are wide rather than long.	26.0" x 34.6"
160_W	SK160-ACV	Solar Charging Kit Serious output for extended off-grid use — electronics, lighting, appliances, and accessories far from shore power.	26.2" x 67.3"
270_W	SK270-ACV	High Output Solar Kit Maximum output for high-demand systems and full power independence. Built to live, work, and operate off-grid.	26.2" x 108.7"
320_W	SK160DUAL-ACV	High Output Solar Kit - Dual Panel Maximum output for high-demand systems in a convenient dual panel kit. Built to live, work, and operate off-grid.	26.2" x 67.3"

SYSTEM WIRING

PERMANENT INSTALL

15 ft PV wire is provided in every ChargeSys kit; wire from controller to battery is supplied by the installer.



TECHNICAL SPECIFICATIONS

All data at STC: 1000 W/m², 77°F, AM 1.5

SPEC	SK38-ACV 38W	SK80-ACV 80W	SK80Q-ACV 80W	SK160-ACV 160W	SK270-ACV 270W	SK160DUAL-ACV 320W
Pmax (STC)	38W	80W	80W	160W	270W	320W
Vmp	18.4V	18.8V	18.5V	19.4V	32.5V	19.4V
Imp	2.1A	4.3A	4.4A	8.3A	8.3A	16.6A
Voc	22.8V	23.8V	22.9V	24.1V	40.3V	24.1V
Isc	2.4A	4.7A	4.7A	9.3A	9.4A	9.3A
Weight	2.2 lbs	4 lbs	3.7 lbs	6 lbs	8.3 lbs	12 lbs
Dimensions	13.7" x 34.2"	13.7" x 67.3"	26.0" x 34.6"	26.2" x 67.3"	26.2" x 108.7"	26.2" x 67.3"
Temp range	-40~+185°F	-40~+185°F	-40~+185°F	-40~+185°F	-40~+185°F	-40~+185°F
Mounting	Self-adhesive	Self-adhesive	Self-adhesive	Self-adhesive	Self-adhesive	Self-adhesive
Controller	Victron 75 15	Victron 75 15	Victron 75 15	Victron 75 15	Victron 100 30	Victron 100 30
Warranty	5 years	5 years	5 years	5 years	5 years	5 years

Typical self-adhesive kits include a Victron SmartSolar MPPT controller, roof wire gland, 10A in-line MC4 fuse, 25A circuit breaker, and mounting hardware. Seal the roof cover flange with silicone; use the supplied grommet where wires pass through the roof. Specifications subject to change.