

ARMORCELL · CIGS THIN-FILM SOLAR KIT

ARMORCELL 38

38

WATTS

Compact output for tight spaces. Overpowers parasitic loads and keeps batteries topped off and conditioned on vehicles, equipment, trailers, and vessels.

BUILT TO LAST

IP68 SEALED

WALKABLE

IK10 IMPACT

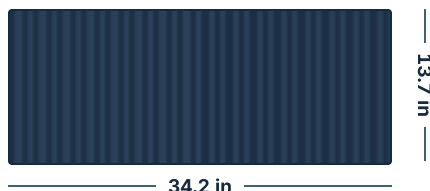
5" BEND RADIUS

-40°F TO +185°F

OPERATING POINT**18.4 V / 2.09 A****PANEL SIZE****34.2 × 13.7 in****PANEL WEIGHT****2.2 lb (1.0 kg)****MOUNTING****Self-adhesive****ELECTRICAL — AT STC**

Peak power (Pmax)	38 W
Voltage at Pmax (Vmp)	18.4 V
Current at Pmax (Imp)	2.09 A
Open-circuit voltage (Voc)	22.8 V
Short-circuit current (Isc)	2.35 A
Technology	CIGS thin-film
Maximum system voltage	1000 VDC
NOCT	113 ± 35°F
Operating temperature	-40°F to +185°F
Series fuse rating	10 A
Power tolerance	±5%
Fire class	Class A
Connectors	MC4
Wire lead length	180 mm pos / 180 mm neg
Mounting	Self-adhesive backing

STC: 1000 W/m², cell temperature 77°F (25°C), AM 1.5. Power tolerance ±5%. Temperature coefficient of Pmax -0.36%/°C.

PANEL OUTLINE**KIT CONTENTS**

- ARMORCELL 38 panel with self-adhesive backing
- Victron SmartSolar MPPT charge controller, Bluetooth
- Roof wire gland with integrated MC4 bulkhead connectors and 15 ft pre-installed 6 mm² PV wire
- 25 A marine-style circuit breaker
- Installation hardware — self-drilling screws, grommet, bumper pad

INCLUDED CHARGE CONTROLLER**Victron SmartSolar 75|15**

Charge algorithm	MPPT
Max PV input voltage	75 V
Max charge current	15 A
Battery voltage	12 V / 24 V auto
Max PV power (12 V)	220 W
Bluetooth	Built-in

SYSTEM WIRING

The 38 W kit has no inline fuse — the 25 A breaker on the battery side is the system's protection. Wire battery side first, PV last.

APPLICATIONS

EMS · Fire · Police

Marine

Construction & Ag

Outdoor

KIT SKU

SK38-ACV

PANEL PART NO.

SP38-AC

WARRANTY

5 years

DOCS & DOWNLOADS
chargesys.solar/support

