

ARMORCELL · CIGS THIN-FILM SOLAR KIT

ARMORCELL 275H NC

275

WATTS

The 275 W portable kit without a charge controller — for systems that already have one, such as Torqeedo electric-boat drives and other integrated MPPT platforms.

BUILT TO LAST

IP68 SEALED

WALKABLE

IK10 IMPACT

5" BEND RADIUS

-40°F TO +185°F

OPERATING POINT**36.1 V / 7.6 A****PANEL SIZE****122.2 × 26.0 in****PANEL WEIGHT****8.6 lb (3.88 kg)****MOUNTING****Grommet · portable****ELECTRICAL — AT STC**

Peak power (Pmax)	275 W
Voltage at Pmax (Vmp)	36.1 V
Current at Pmax (Imp)	7.6 A
Open-circuit voltage (Voc)	45.1 V
Short-circuit current (Isc)	8.6 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	460 mm pos / 460 mm neg
Mounting	Reinforced grommet holes

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

122.2 in

- 26.0 in -

Drawn to scale · 3105 × 660 mm · thickness 2 mm

KIT CONTENTS

- ARMORCELL 275H panel with reinforced grommet mounting holes
- Padded carry bag and zippered accessory storage bag
- 20 ft MC4-to-MC4 extension cable, 14 AWG
- 15 cm MC4-to-ferrule adapter cable, 2-conductor 14 AWG
- 15 cm SAE-to-ferrule adapter cable, 2-conductor 12 AWG
- 1 m SAE-to-ring terminal cable with 25 A ATO inline fuse, 12 AWG
- 1 m SAE-to-battery clip cable with 25 A inline fuse, 12 AWG
- 2 × 1.2 m bungee cords with carabiner clips and 2 × velcro straps

CONTROLLER REQUIREMENTS**Use your existing MPPT controller**

Controller type	MPPT recommended
Battery systems	Controller defined

SYSTEM WIRING

No controller supplied. The panel feeds the MPPT controller already in your system — verify its PV input ratings against the Voc and Isc above before connecting. Connect at the battery first, panel last.

APPLICATIONS

EMS · Fire · Police

Marine

Construction & Ag

Outdoor

KIT SKU**SK275H-ACNC****PANEL PART NO.****SP275-AC00****WARRANTY****5 years**

DOCS & DOWNLOADS
chargesys.solar/support

