

# 190 W OBSIDIAN® SERIES 9 SOLAR MODULE

## CATEGORY:

SOLAR PANELS

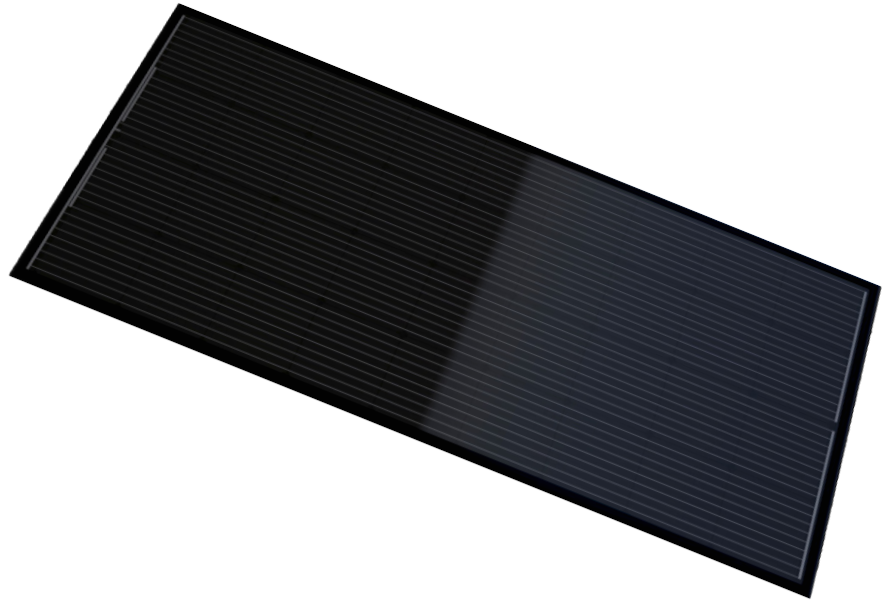
## MODEL TYPE:

OBSIDIAN® SERIES 9 SOLAR PANEL

## IDEAL FOR:



**25 YEAR  
WARRANTY**



## USM2018

The most advanced premium off-grid solar panels on the market. These panels feature the latest advancements in 9 bus bar solar cell technology to improve efficiency increasing the amount of solar energy collected. This technology is combined with anti-reflective glass, premium encapsulant, exclusive low profile junction box with MC4 connectors, and bypass diodes for shade resistance, and patented aerodynamic OBSIDIAN® frame to create the best in class solar solution for overland rigs, custom van builds, RVs, or other off-grid applications.

## KEY FEATURES



**HIGH EFFICIENCY  
MONOCRYSTALLINE  
SOLAR CELLS**



**LOW PROFILE JUNCTION  
BOX WITH BYPASS DIODES**



**TEMPERED ANTI-  
REFLECTIVE GLASS**



**SHADE PROTECTION**



**OMNI-RAIL MOUNTING**



**AERODYNAMIC ANODIZED  
ALUMINUM FRAME**

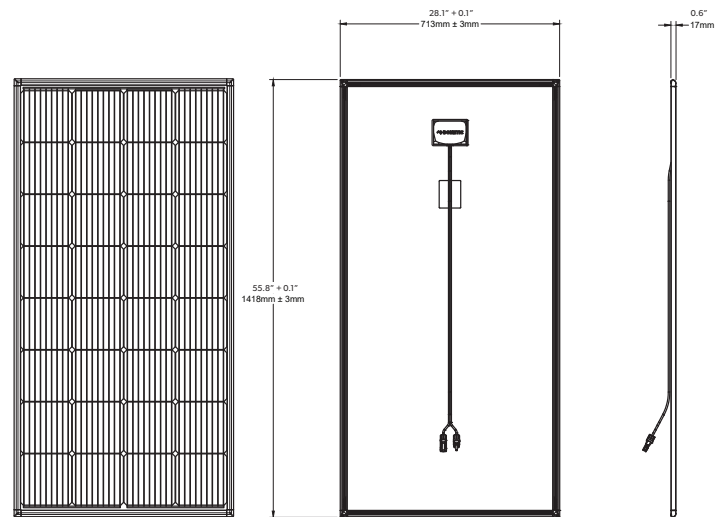
## INCLUDED IN :

- KIT1056
- KIT1057

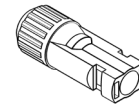
## SPECIFICATIONS

Rated power (Pm)	190W
Maximum power voltage (Vmp)	18.2V
Maximum power current (Imp)	10.3A
Maximum voltage	300 VDC
Open circuit voltage (Voc)	21.5V
Short circuit current (Isc)	10.8A
Cell type	Monocrystalline
Weight	23.8 lb (10.8 kg)
Dimensions	55.8 x 28 x 0.6 in 1418 x 713 x 17 mm
Materials	Tempered, anti-reflective glass laminate; anodized aluminum frame
Warranty (Power Output)	25 years

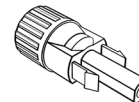
## DIMENSIONS



### Solar Connectors



- Negative



+ Positive

Specifications subject to local environmental conditions.  
Specifications may be subject to change.