

Solar Panel



Flexible & foldable



Durable & weather-resistant



High conversion efficiency



Compact & lightweight



Ultra thin & easy installation



Technical specifications

Electrical performance

ASP100M36S

Specification / Model	ASP100NH36S	Maximum power	100 W
Power tolerance	+5 W	Optimum operating voltage	20.12 V
Optimum operating current	5.01 A	Open circuit voltage	24.45 V
Short circuit current	5.31 A	Module efficiency	20.74%

STC: AM=1.5, Irradiance 1.000W / m², Module temperature 77°F (25°C).

Temperature coefficient

Nominal module operating temperature	109°F ± 36°F (43°C ± 2°C)
Power temperature coefficient	- 0.36% / °C
Voltage temperature coefficient	- 0.28% / °C
Current temperature coefficient	- 0.06% / °C

Mechanical behavior

Back material	Backplane (white)		
Module cell	36 (3 x 12) / monocrystalline - PERC / 162.75 mm		
Cable specification (length / sectional area)	90 mm / 4mm ²		
Frame	Frameless	Protection grade of junction box	IP68
Encapsulating materials	EVA / POE	Connector	MC4
Module weight	3.1 lbs (1.4 kg)		
Module actual size (L * W)	39.0 x 19.3 inch (990 x 491 mm)		
Module assembly size (L *W *H)	1,070 mm x 520 mm x 1.7 mm (excluding junction box)		

Note: All data are based on ROYPOW standard test procedures. Actual performance may vary according to local conditions.

