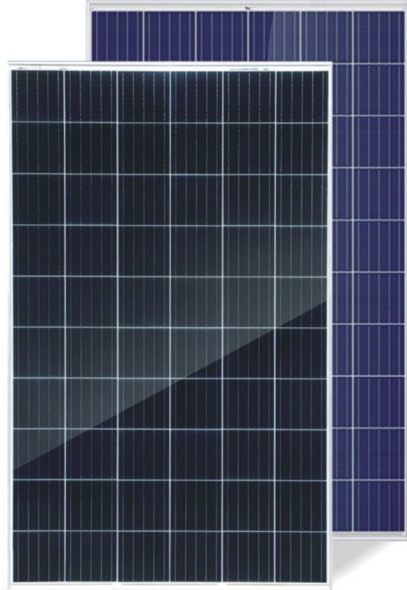


Module Specification



THE Mustang[®] MODULE
HSM270-285P156
 Poly 270~285W



Module Characteristics

- Easy to be installed in large-scale**
High energy density, facilitate to reduce installation time and BOS cost
- One of the industrial most-trusted modules**
Excellent performance which has undergone on-site verification in the field
Powerful and trustworthy supplier
- Durable to severe environmental conditions**
Wind load of 2400 Pa
Snow load of 5400 Pa
Heavy hail of 25MM, with speed of 82km/hr
- High durability**
Use tempered glass of 3.2mm, increase the module's durability

Small fever Power generation performance excellent	Life cycle Guaranteed power generation
Wide range of applications	low cost Cost-effective

Higher conversion efficiency reduces system cost per watt



Note: Read safety and installation instructions before using the product.
 If the specifications of this data sheet are changed, the actual product shall prevail.

Module Parameter

Electrical Data @ NOCT	HSM270P156	HSM275P156	HSM280P156	HSM285P156
Maximum Power P _{MAX} (WP)	270	275	280	285
Power Tolerance P _{MAX} (%)	0~5	0~5	0~5	0~5
Maximum Power Voltage V _{MP} (V)	30.86	31.20	31.30	31.8
Maximum Power Current I _{MPP} (A)	8.78	8.82	8.95	8.99
Open Circuit Voltage V _{OC} (V)	38.32	38.40	38.50	38.6
Short Circuit Current I _{SC} (A)	9.28	9.32	9.35	9.42
Module efficiency η _m (%)	16.6	16.8	17.11	17.22

NOCT: (Air-mass AM1.5, Irradiance at 1000W/m², battery temperature: 25°C)

Mechanical Date	
Solar Cells	Poly-crystalline 156.75*156.75mm/157*157mm
Cell Orientation	60 cells (6*10)
Module dimensions	1640*992*35mm (64.57*39.06*1.38 inch)
Weight	18.5 Kg (40.79 lb)
Glass	Super white anti-reflection tempered glass.
Frame	Anodized aluminium alloy
J-Box	IP 68, MC compatible
Cables	Two strips of 4.0mm ² (0.0062 in ²) wire and 1000mm long
Connector	Original MC4 Plus

Shipping Method	20GP	40GP	40HQ
Qty/Box	60	60	64
Number of Boxes	6	14	14
Total	360	840	896

Note: When the module life cycle completes, it should be recycled by professional institutions.

Temperature Ratings		Quality Parameters
Operating temperature	-40°C~+85°C	11 year product workmanship warranty
Maximum system voltage	1500V DC (IEC) / 1000V DC (UL)	25 year linear power warranty (Refer to the Product Warranty for details)
Max Series Fuse Ratings	15A	

Mechanical Properties	
Frontal mechanical load (anti-snow, wind)	5400pa
Back mechanical load (wind resistance)	2400pa

Note: The detailed parameters are subject to the final mass production data.

