



Datasheet

Crystalline PV Module

ASM6612P Series

305 | 310 | 315 | 320 | 325

EN

ELECTRICAL SPECIFICATIONS ¹

STC ² rated output (P _{mpp})	305 Wp	310 Wp	315 Wp	320 Wp	325 Wp
PTC ² rated output (P _{mpp})	277.9 Wp	282.5 Wp	287.2 Wp	291.9 Wp	296.6 Wp
Standard sorted output	-0/+5%				
Warranted power output STC (P _{nominal})	305 Wp	310 Wp	315 Wp	320 Wp	325 Wp
Rated voltage (V _{mpp}) at STC	35.77 V	35.80 V	35.83 V	35.86 V	36.31 V
Rated current (I _{mp}) at STC	8.53 A	8.68 A	8.80 A	8.92 A	8.95 A
Open circuit voltage (V _{oc}) at STC	45.29 V	45.42 V	45.55 V	45.68 V	45.82 V
Short circuit current (I _{sc}) at STC	8.95 A	8.99 A	9.02 A	9.06 A	9.10 A
Module efficiency	15.8%	16.0%	16.3%	16.5%	16.8%
Rated output (P _{mpp}) at NOCT ³	213.0 Wp	216.5 Wp	220.0 Wp	223.5 Wp	226.9 Wp
Rated voltage (V _{mpp}) at NOCT	32.67 V	32.70 V	32.71 V	32.72 V	33.18 V
Rated current (I _{mp}) at NOCT	6.52 A	6.62 A	6.73 A	6.83 A	6.84 A
Open circuit voltage (V _{oc}) at NOCT	41.56 V	41.68 V	41.80 V	41.92 V	42.04 V
Short circuit current (I _{sc}) at NOCT	6.92 A	6.95 A	6.98 A	7.01 A	7.04 A
Temperature coefficient (P _{mpp})	- 0.408%/K		Maximum system voltage		
Temperature coefficient (I _{sc})	+0.050%/K		1000 V _{dc}		
Temperature coefficient (V _{oc})	- 0.311%/K		Number of diodes		
Normal operating cell temperature (NOCT)	46±2°C		3		
			Reverse current loadability (IR)		
			20 A		
			Maximum series fuse rating		
			15 A		

¹ Measuring uncertainty P_{mpp}: +/-3 %; Tolerance for V_{oc}, I_{sc}, V_{mpp} and I_{mp}: +/-10 %

² Standard test conditions that are defined as follows:

1.000 W/m² irradiation at a spectral density of AM 1.5 and a cell temperature of 25° C,

³ Nominal operating temperature of the cell at 800 W/m² irradiation, 20° C ambient temperature, wind speed of 1 m/s

⁴ Manufactured in an UL 1703 certified facility



