

Preliminary data sheet Modules HI LINE

HI LINE A0154

Module Type	120 Wp	127 Wp	135 Wp
Cell characteristics			
Cell type	Multi crystalline silicon	Multi crystalline silicon	Multi crystalline silicon
Cell strings	1	1	1
N° of cells and connections	54	54	54
Cell dimensions	125 mm square	125 mm square	125 mm square
Module characteristics			
Electro-Optical characteristics (Irradiance 1000W/m ² , Module Temperature 25°C, spectrum AM 1.5)			
Peak power (P _{mpp})	120 Wp	127 Wp	135 Wp
Peak power voltage (V _{mpp})	26.10 V	26.30 V	26.7 V
Peak power current (I _{mpp})	4.60 A	4.86 A	5.05 A
Open circuit voltage (V _{oc})	32.30 V	32.60 V	32.9 V
Short circuit current (I _{sc})	5.05 A	5.28 A	5.40 A
Encapsulated solar cell efficiency	14.2 %	15.1 %	16 %
Maximum system voltage	750 V	750 V	750 V
Power tolerance	+/-3%	+/-3%	+/-3%
Temperature coefficients			
Power	-0.43 %/°C		
Open Circuit voltage (V _{oc})	-0.11 V/°C		
Short Circuit current (I _{sc})	2 mA/°C		
Physical characteristics			
Dimensions	1208 mm x 808 mm x 35 mm		
Weight	11 kg		
Output Terminal	Lead wire with waterproof connector		
Peak power warranty	12 years ≥ 90% of minimal guaranteed power 25 years ≥ 80% of minimal guaranteed power		
Temperature ratings	-40 to + 90 °C operating temperature -40 to + 90 °C storage temperature		