











KEY FEATURES

MORE POWER

-  Module power up to 665 W
Module efficiency up to 21.4%
-  Up to 3.5 % lower LCOE
Up to 5.7 % lower system cost
-  Comprehensive LID / LeTID mitigation technology, up to 50% lower degradation
-  Compatible with mainstream trackers, cost effective product for utility power plant
-  Better shading tolerance

MORE RELIABLE

-  40 °C lower hot spot temperature, greatly reduce module failure rate
-  Minimizes micro-crack impacts
-  Heavy snow load up to 5400 Pa, wind load up to 2400 Pa*
-  **12 Years** Enhanced Product Warranty on Materials and Workmanship*
-  **25 Years** Linear Power Performance Warranty*



Nominal Max. Power (Pmax)	640W	645W	650W	655W	660W	665W
Opt. Operating Voltage (Vmp)	37.5V	37.7V	37.9V	38.1V	38.3V	38.5V
Opt. Operating Current (Imp)	17.07A	17.11A	17.16A	17.20A	17.24A	17.28A
Open Circuit Voltage (Voc)	44.6 V	44.8V	45.0V	45.2V	45.4V	45.6V
Short Circuit Current (Isc)	18.31A	18.35A	18.39A	18.43A	18.47A	18.51A
Module Efficiency	20.60%	20.80%	20.90%	21.10%	21.20%	21.40%
Operating Temperature	~40°C ~ +85°C					
Max. System Voltage	1500V (IEC) or 1000V (IEC)					
Module Fire Performance	CLASS C (IEC 61730)					
Max. Series Fuse Rating	30 A					
Application Classification	Class A					
Power Tolerance	0 ~ + 10 W					
Cell Type	210mm wafer /Mono-crystalline					
Cell Arrangement	132 [2× (11 ×6)]					
Dimensions	2384 ×1303×35 mm (93.9 ×51.3 × 1.38 in)					
Weight	31.4 kg (75.8 lbs)					
Front Cover	3.2 mm tempered glass					
Frame	Anodized aluminium alloy, crossbar enhanced					
J-Box	IP68, 3 bypass diodes					
Cable	4 mm ² (IEC)					
Per Pallet	31 pieces					
Per Container	40HQ/527 pieces					

