

KEY FEATURES

MORE POWER



26 % more power than conventional modules



Up to 4.5 % lower LCOE
Up to 2.7 % lower system cost



Low NMOT: $41 \pm 3 \text{ }^\circ\text{C}$
Low temperature coefficient(Pmax): $-0.34\%/^\circ\text{C}$



Compatible with mainstream trackers,
cost effective product for utility power plant

MORE RELIABLE



Lower internal current, lower hot spot temperature



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)	435W	440W	445W	450W	455W	460W	465W
Opt. Operating Voltage (Vmp)	40.5V	40.7V	40.9V	41.1V	41.3V	41.5V	41.7V
Opt. Operating Current (Imp)	10.75A	10.82A	10.89A	10.96A	11.02A	11.09A	11.16A
Open Circuit Voltage (Voc)	48.5V	48.7V	48.9V	49.1V	49.3V	49.5V	49.7V
Short Circuit Current (Isc)	11.42A	11.48A	11.54A	11.60A	11.66A	11.72A	11.78A
Module Efficiency	19.70%	19.90%	20.10%	20.40%	20.60%	20.80%	21.10%
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	166mm wafer /Mono-crystalline						
Cell Arrangement	144 [2 × (12 × 6)]						
Dimensions	2108 × 1048 × 35 mm (83.0 × 41.3 × 1.38 in)						
Weight	24.3 kg (53.6 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	30 pieces						
Per Container	40HQ/600 pieces						

