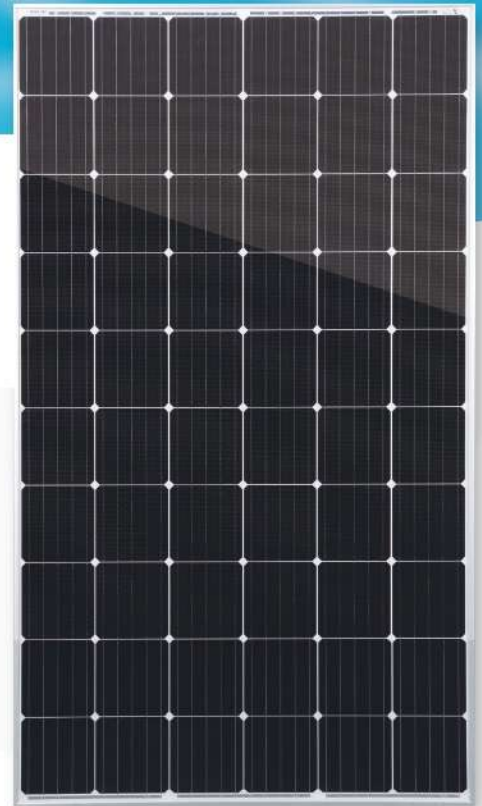


# 290-320 Watt

## MONO CRYSTALLINE MODULE



**19.69%**  
Module efficiency

**12**  
years

Product warranty

**320 W**  
Highest power output

**25**  
years

Linear power warranty

**0 ~ +5W**  
Positive power tolerance

### Key Features

#### Linear Performance Warranty



#### High Efficiency

Higher module conversion efficiency benefit from Passivated Emitter Rear Contact (PERC) technology.



#### PID Resistant

Excellent Anti-PID performance guarantee limited power degradation for mass production.



#### Low-light Performance

Advanced glass and cell surface texture design ensure excellent performance in low light environment.



#### Severe Weather Resilience

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



#### Durability against extreme environmental conditions

High salt mist and ammonia resistance.



ISO9001:2016 ISO14001:2016  
OHSAS18001:2011 certified factory.  
IEC61215 IEC61730 certified products.

## Electrical Characteristics at Standard Test Conditions (STC)

Module Type	290	295	300	305	310	315	320
Maximum Power -Pmax (W)	290	295	300	305	310	315	320
Maximum Power Voltage - Vmp (V)	32.2	32.4	32.95	33.23	33.52	33.8	34.08
Maximum Power Current - Imp (A)	9.02	9.10	9.11	9.18	9.25	9.32	9.39
Open-circuit Voltage - Voc (V)	39.5	39.7	39.88	40.16	40.44	40.72	41.0
Short-circuit Current - Isc (A)	9.55	9.61	9.60	9.68	9.76	9.84	9.91
Module Efficiency STC (%)	17.81%	18.14%	18.46%	18.77%	19.07%	19.38%	19.69%

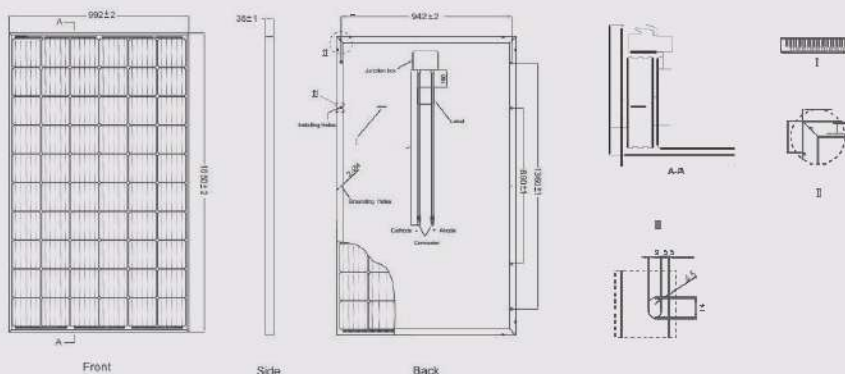
## Electrical Characteristics at Normal Operating Cell Temperature (NOCT)

Module Type	290	295	300	305	310	315	320
Maximum Power -Pmax (W)	216	220	222	226	230	234	239
Maximum Power Voltage - Vmp (V)	30.2	30.4	30.34	30.6	30.87	31.12	31.73
Maximum Power Current - Imp (A)	7.15	7.24	7.33	7.39	7.45	7.50	7.52
Open-circuit Voltage - Voc (V)	36.6	36.8	37.62	37.88	38.15	38.41	38.84
Short-circuit Current - Isc (A)	7.81	7.89	7.75	7.82	7.88	7.95	8.00
Power tolerance	0~+5W		Operating Temperature(°C)			-40 C~+85 C	
Temperature coefficients of Pmax	-0.40%/C		Maximum system voltage			1000/1500VDC	
Temperature coefficients of Voc	-0.31%/C		Maximum series fuse rating			15A	
Temperature coefficients of Isc	0.05%/C		Nominal operating cell temperature			45±2 C	

## Mechanical Characteristics

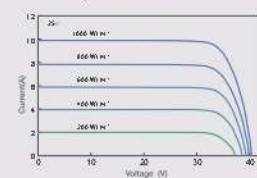
Cell Type	Mono-crystalline PERC 156.75×156.75mm (6 inch)
No.of cells	60 (6×10)
Dimensions	1650×992×35mm
Weight	17.50 kg
Front Glass	3.2mm,High Transmission,Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	1×4.0mm <sup>2</sup> , Length:900mm or Customized Length
Packaging Configuration	30pcs/pallet, 60-64pcs/stack, 840-896pcs/40'HQ Container ( Two pallets=One stack )

## Dimensions



## IV-Curves

Current-Voltage Curve under different irradiance



Current-Voltage Curve under different working temperatures

