

# RS-132HC Series

Framed 132 Layout Mono Module  
PERC Half-Cell: 650~700W

 SiteReach  
Energy

PRODUCT: RS-132HC(cells)

PRODUCT RANGE: 650-700W

## 700W+

MAXIMUM POWER OUTPUT

## 0~+5W

POSITIVE POWER TOLERANCE

## 22.5%

MAXIMUM EFFICIENCY



### MORE POWER

700W

Module power up to 700 W  
700 W Module efficiency up to 22.5%

\$

Up to 3.5 % lower LCOE  
Up to 5.7 % lower system cost

Bar chart icon

Comprehensive LID / LeTID mitigation  
technology, up to 50% lower degradation

Cloud and sun icon

Better shading tolerance

### MORE RELIABLE

Thermometer icon

40 °C lower hot spot temperature,  
greatly reduce module failure rate

Shield icon

Minimizes micro-crack impacts

\*\*\* icon

Heavy snow load up to 5400 Pa,  
wind load up to 2400 Pa\*

12  
Years

Enhanced Product Warranty on Materials  
and Workmanship\*

25  
Years

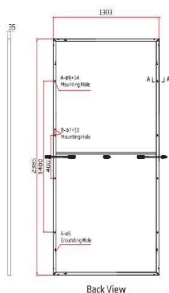
Linear Power Performance Warranty\*

1<sup>st</sup> year power degradation no more than 2%  
Subsequent annual power degradation no more than 0.55%

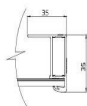
# RS-132 Series

## 132 CELLS MODULE

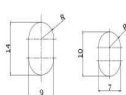
### DIMENSIONS OF PV MODULE(mm)



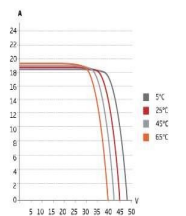
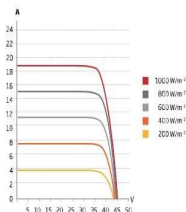
Frame Cross Section A-A



Mounting Hole



### RSM650M-132HC / I-V CURVES



#### ELECTRICAL DATA (STC)

Peak Power Watts-P <sub>max</sub> (W)*	650	660	670	680	690	700
Power Tolerance-P <sub>max</sub> (W)	0 ~ +1.0					
Maximum Power Voltage-V <sub>mp</sub> (V)	37.9	38.3	36.7	39.1	39.5	39.9
Maximum Power Current-I <sub>mp</sub> (A)	17.16	17.24	17.32	17.40	17.48	17.55
Open Circuit Voltage-V <sub>oc</sub> (V)	45.0	45.4	45.8	46.2	45.8	47.2
Short Circuit Current-I <sub>sc</sub> (A)	10.39	10.47	10.55	10.63	10.71	10.79
Module Efficiency-η (%)	20.9	21.2	21.6	21.9	22.2	22.5

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5, \*The measuring tolerance is ±0.8%

#### ELECTRICAL DATA (NOCT)

Maximum Power-P <sub>max</sub> (Wp)	487	495	502	510	518	525
Maximum Power Voltage-V <sub>mp</sub> (V)	35.5	35.9	36.3	36.7	37.1	37.5
Maximum Power Current-I <sub>mp</sub> (A)	13.74	13.79	13.85	13.91	13.97	14.03
Open Circuit Voltage-V <sub>oc</sub> (V)	42.5	42.9	43.3	43.7	44.1	44.5
Short Circuit Current-I <sub>sc</sub> (A)	14.83	14.89	14.96	15.03	15.11	15.18

NOCT: Irradiance at 800W/m², Ambient Temperature 25°C, Wind Speed 1m/s.

#### MECHANICAL DATA

Solar Cells	Monocrystalline
No. of cells	132 cells
Module Dimensions	2385*1303*35 mm
Weight	34.4 kg (75.8 lb)
Front Cover	3.2 mm Tempered Glass
Encapsulant material	EVA/POE
Backsheet	White
Frame	Anodized Aluminium Alloy, Crossbar Enhanced
J-Box	IP68, 3 Bypass Diodes
Cables	Photovoltaic Technology Cable 4.0 mm² (0.006 inches²), 460/340mm (18.1/13.4 in) (supply additional jumper cable: 2 lines / Pallet) customized length*
Connector	T4 Series or MC4-EVO2

\*Please refer to product database for specified connector.

#### TEMPERATURE RATINGS

NOCT (Nominal Operating Cell Temperature)	41 ~ 49°C
Temperature Coefficient of P <sub>max</sub>	- 0.34%/°C
Temperature Coefficient of V <sub>oc</sub>	- 0.26%/°C
Temperature Coefficient of I <sub>sc</sub>	0.05%/°C

#### MAXIMUM RATINGS

Operational Temperature	-40°C ~ +85°C
Maximum System Voltage	1500V DC (IEC)
Max Series Fuse Rating	30A

#### WARRANTY

12 year Product Workmanship Warranty
25 year Power Warranty
2% first year degradation
0.55% Annual Power Attenuation

(Please refer to product warranty for details)

#### PACKAGING CONFIGURATION

Modules per box: 31 pieces
Modules per 40' container: 558 pieces