

# NCS

Your Energy  
Nice Sun

# NCS-6BM



## Mono Crystalline Solar Module

60pcs solar cells layout

295W-320W Positive Sorting

100% A Grade Solar Cells

OEM/ODM Available

### Key Features



High conversion efficiency due to top quality wafers and advanced cells technology



Selected encapsulating materials and stringent production process control ensures highly PID resistant



Excellent withstanding harsh environments, such as salt mist, sand mist as well as ammonia etc.



Optimized system performance due to module level current sorting and 100% two times EL



Special cell process ensures good performance under low irradiance conditions



Highly transparent self-cleaning glass brings additional yield and easy maintenance

### Company Introduction

Levo solar, founded in the year of 2010, belongs to Nice Sun PV Group, which is a comprehensive manufacture of crystalline silicon of photovoltaic wafers, cells and modules. Our own vertical supply chain makes our modules more cost-effective in the international market

With our own engineering team, we could provide one-stop solution to all the solar needs of our clients. We will cooperate closely with our partners worldwide to contribute to a better green world by providing affordable solar energy.

### Why Levo Solar

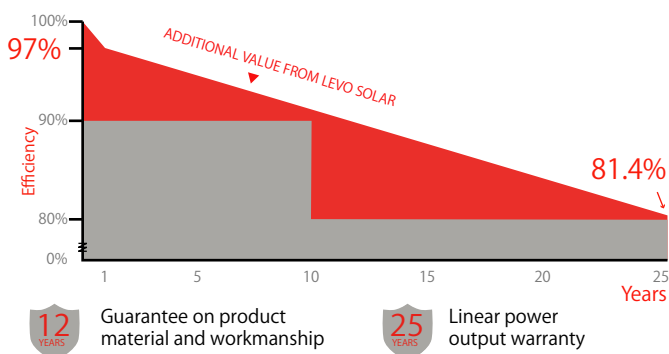
- ◆ Our own vertical pv products supply chain makes our modules more cost-effective in the market
- ◆ Variety kinds of modules to meet the diversified needs of our clients
- ◆ Highly automated production lines enables us to supply modules with constant quality
- ◆ 100% two times EL test to make sure our customers receive the most optimal solar modules.
- ◆ Stringent supplier audit and control as well as the BOM quality testing contributes to our high quality solar modules from the very beginning

### Certificates



NCS reserve the right to change specifications without notification.

### Warranty



# NCS-6BM

## 295W-320W Mono Crystalline Solar Module

### Electrical Specification (STC\*)

Maximum Power -Pmax(W) :	295W	300W	305W	310W	315W	320W
Maximum Power Voltage-Vmp(V):	31.95	32.26	32.84	33.16	39.80	40.00
Maximum Power Current-Imp(A):	9.23	9.31	9.39	9.44	9.50	9.56
Open Circuit Voltage -Voc(V):	39.65	39.85	40.05	40.30	40.53	40.79
Short Circuit Current-Isc(A):	9.90	9.97	9.85	9.91	9.98	10.04
Module Efficiency - $\eta$ m(%):	18.13	18.44	18.75	19.05	19.36	19.67
Power Output Tolerance (W):						0+5W

STC:Irradiance:1000W/m<sup>2</sup>, Module Temperature:25°C,Air Mass:1.5

### Electrical Specification (NOCT\*)

Maximum Power -Pmax(W) :	218W	221W	224W	228W	232W	235W
Maximum Power Voltage-Vmp(V):	29.45	29.69	29.9	30.18	30.42	30.66
Maximum Power Current-Imp(A):	7.4	7.43	7.5	7.55	7.61	7.66
Open Circuit Voltage -Voc(V):	36.55	36.75	36.95	37.15	37.36	37.57
Short Circuit Current-Isc(A):	7.71	7.78	7.86	7.93	7.99	8.05

NOCT:Irradiance:800W/m<sup>2</sup>, Ambient Temperature:20°C,Air Mass:1.5,Wind Speed:1m/s

### Mechanical Specifications:

Solar Cell Type:	Mono-crystalline 156.75x156.75mm
Number of Cells:	60pcs (10x6)
Module Size:	1640*992*40mm
Weight:	18.5kg
Glass:	High transparency self-cleaning solar glass 3.2mm
Back Sheet:	White TPT
Frame:	Silver Anodized Aluminium Alloy
Junction Box:	IP67
Number of Diodes:	3pcs
Cable:	4.0mm <sup>2</sup> 900mm
Connector:	MC4 Compatible
Wind/Snow Load:	2400pa/5400pa

### Temperature Coefficient:

Nominal Operating Cell Temp(NOCT):	45±2°C
Temperature Coefficient of ISC:	0.060%/°C
Temperature Coefficient of VOC:	-0.309%/°C
Temperature Coefficient of Pmax:	-0.39%/°C

### Maximum Ratings

Operational Temperature:	-40~85°C
Maximum System Voltage:	1000V
Maximum Series Fuse Rating:	20A

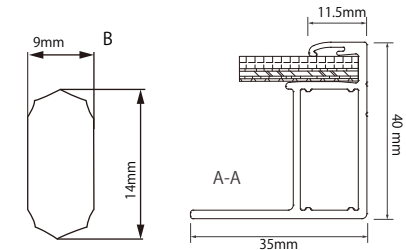
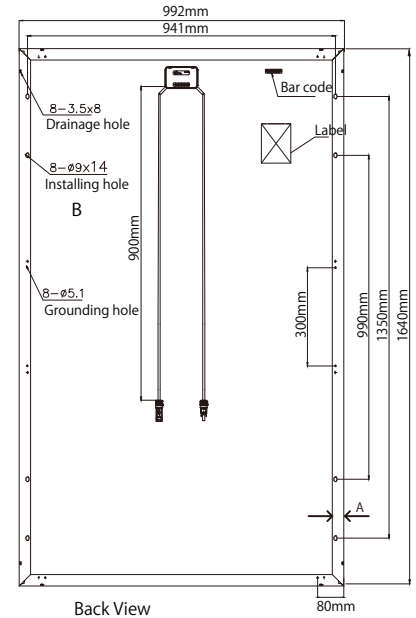
### Optional:

Junction box:	Smart Junction box available
Connector:	MC4 Original
Backsheet:	Black/Transparent TPT
Frame:	Black Anodized Aluminium Alloy

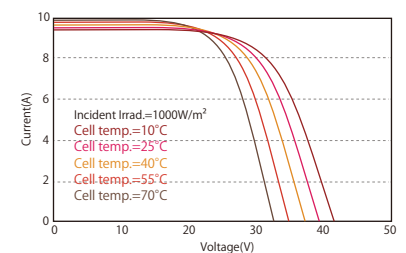
### Packaging Information:

Number per Box:	26PCS
Number per 20GP:	312PCS
Number per 40GP:	728PCS
Number per 40HC:	812PCS

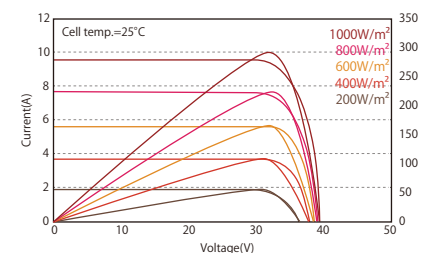
### Engineering Drawings



### U-I Curve at Different Temperature (305W)



### U-I/P-U Curve at Different Irradiation (305W)



CAUTION: READ INSTALLATION MANUAL BEFORE USING THE PRODUCT

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