

# NCS

Your Energy  
Nice Sun

# NCS-6BM-SG



## Mono Crystalline Solar Module

340pcs solar cells layout

330W-350W Positive Sorting

100% A Grade Solar Cells

OEM/ODM Available

### Key Features



Special cutting soldering technology leads to lower hot spot risk and reduce cell to module loss and higher power output.



Generates 15% more power and obtain greater returns during the lifetime of the project.



Lower thermal coefficient for greater energy production at high temperature.



Cell crack risk limited in small region, enhance the module reliability.



Special cell process ensures enhanced reliability and durability.



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

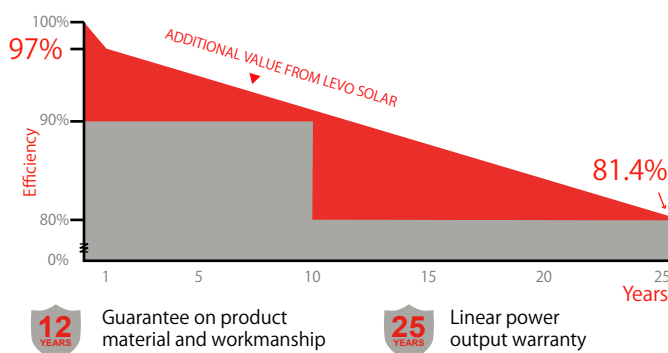


Excellently withstanding harsh environment, such as salt mist, sand mist as well as ammonia and etc.



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

### Warranty



### 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.

# NCS-6BM-SG

330W-350W Mono Crystalline Solar Module

## Electrical Specification (STC\*)

	330W	335W	340W	345W	350W
Maximum Power -Pmax(W) :	330W	335W	340W	345W	350W
Maximum Power Voltage-Vmp(V):	37.20	37.30	37.40	37.50	37.60
Maximum Power Current-Imp(A):	8.87	8.98	9.09	9.20	9.31
Open Circuit Voltage -Voc(V):	45.15	45.20	45.25	45.30	45.35
Short Circuit Current-Isc(A):	9.45	9.49	9.51	9.55	9.58
Module Efficiency - $\eta$ m(%):	19.03	19.32	19.61	19.90	20.19
Power Output Tolerance (W):					0~+5W

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

## Electrical Specification (NOCT\*)

	241W	245W	248W	252W	255W
Maximum Power -Pmax(W) :	241W	245W	248W	252W	255W
Maximum Power Voltage-Vmp(V):	35.20	35.30	35.40	35.40	35.60
Maximum Power Current-Imp(A):	6.85	6.94	7.02	8.10	8.18
Open Circuit Voltage -Voc(V):	42.75	42.80	42.85	42.90	42.95
Short Circuit Current-Isc(A):	7.65	7.68	7.70	7.73	7.75

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
Number of Cells:	340pcs (34*10)
Module Size:	1622*1069*40mm
Weight:	20kg
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> 1000mm
Connector:	MC4 Compatible
Wind/Snow Load:	2400pa/5400pa

## Temperature Coefficient:

Nominal Operating Cell Temp(NOCT):	42±2°C
Temperature Coefficient of ISC:	0.050%/°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:	1000VDC
Maximum Series Fuse Rating:	15A

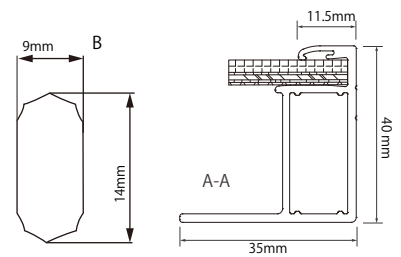
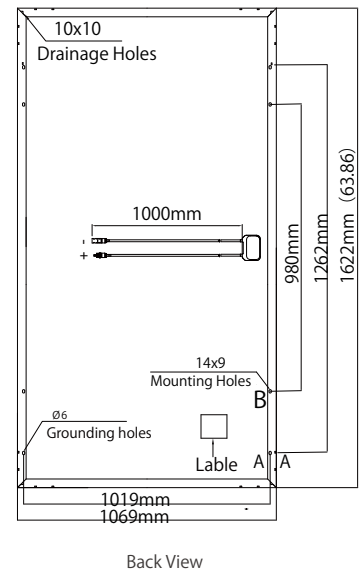
## Optional:

Connector:	MC4 Original
Backsheet:	Black/Transparent TPT
Frame:	Black Anodized Aluminium Alloy

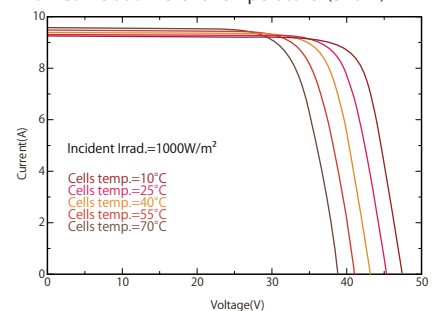
## Packaging Information:

Number per Box:	26PCS
Number per 20GP:	312PCS
Number per 40GP:	756PCS

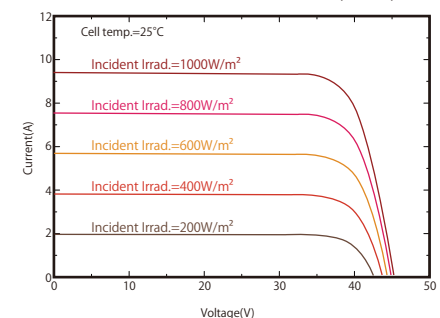
## Engineering Drawings



U-I Curve at Different Temperature (340W)



U-I/P-U Curve at Different Irradiation (340W)



CAUTION: READ INSTALLATION MANUAL BEFORE USING THE PRODUCT

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