

NCS

Your Energy
Nice Sun

NCS-6AM-SG



Mono Crystalline Solar Module

408pcs solar cells layout

400W-425W 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.



Excellent 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.

Company Introduction

Levo solar, founded in the year of 2010, belongs to Nice Sun PV Group, which is a comprehensive manufacturer 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

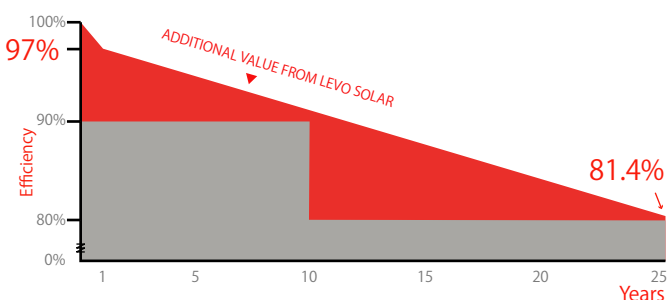
- ◆ Our own vertical pv products supply chain makes our modules more cost-effective in the market.
- ◆ Variety kinds of modules to meet the diversified needs of our clients.
- ◆ Highly automated production lines enables us to supply modules with constant quality.
- ◆ 100% two times EL test to make sure 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



Guarantee on product material and workmanship



Linear power output warranty

LEVO SOLAR TECHNOLOGY CO., LTD

www.levosolar.com Tel: 86-510- 87397599 E-mail: info@levosolar.com



NCS-6AM-SG

400W-425W Mono Crystalline Solar Module

Electrical Specification (STC*)

Maximum Power -Pmax(W) :	400W	405W	410W	415W	420W	425W
Maximum Power Voltage-Vmp(V):	37.30	37.40	37.50	37.60	37.70	37.80
Maximum Power Current-Imp(A):	10.72	10.83	10.93	11.04	11.14	11.23
Open Circuit Voltage -Voc(V):	45.30	45.35	45.40	45.45	45.50	45.55
Short Circuit Current-Isc(A):	11.35	11.39	11.43	11.47	11.51	11.55
Module Efficiency - η m(%):	19.27	19.51	19.75	19.99	20.23	20.47
Power Output Tolerance (W):						0~+5W

STC:Irradiance:1000W/m², Module Temperature:25°C,Air Mass:1.5

Electrical Specification (NOCT*)

Maximum Power -Pmax(W) :	292W	297W	300W	304W	307W	311W
Maximum Power Voltage-Vmp(V):	35.30	35.40	35.50	35.60	35.70	35.80
Maximum Power Current-Imp(A):	8.29	8.37	8.45	8.53	8.61	8.70
Open Circuit Voltage -Voc(V):	42.85	42.90	42.95	43.00	43.05	43.10
Short Circuit Current-Isc(A):	9.17	9.21	9.25	9.28	9.31	9.34

NOCT:Irradiance:800W/m², Ambient Temperature:20°C,Air Mass:1.5,Wind Speed:1m/s

Mechanical Specifications:

Solar Cell Type:	Mono-crystalline
Number of Cells:	408pcs (34*12)
Module Size:	1942*1069*40mm
Weight:	24kg
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 ² 1200mm
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:	1000V
Maximum Series Fuse Rating:	20A

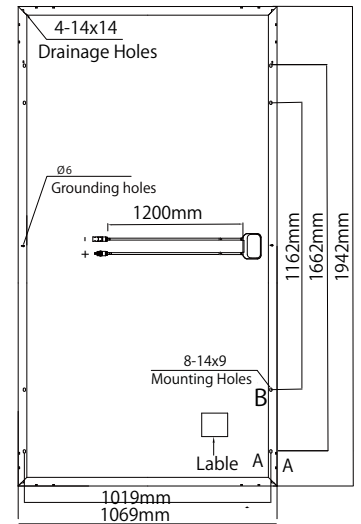
Optional:

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

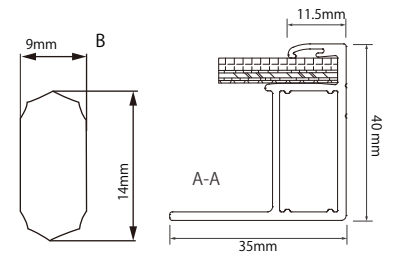
Packaging Information:

Number per Box:	26PCS
Number per 20GP:	260PCS
Number per 40GP:	648PCS

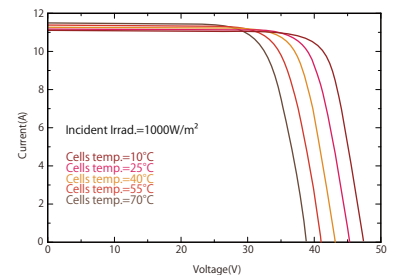
Engineering Drawings



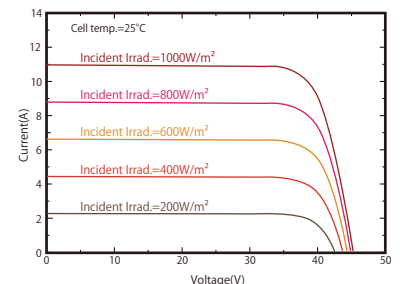
Back View



U-I Curve at Different Temperature (410W)



U-I/P-U Curve at Different Irradiation (410W)



CAUTION:READ INSTALLATION MANUAL BEFORE USING THE PRODUCT

NCS reserve the right to change specifications without notification.