

NCS

Your Energy
Nice Sun

NCS-6AML



Mono Crystalline Solar Module

72pcs solar cells layout

370W-395W 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 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

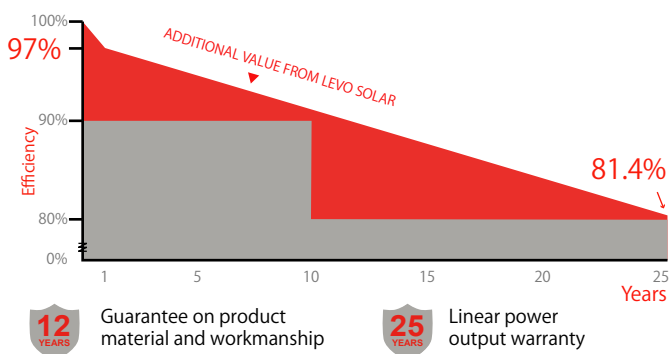
- ◆ Our own vertical pv products supply chain makes our modules more cost-effective in the market.
- ◆ Variety kinds of modules to meet the diversified needs of our clients.
- ◆ Highly automated production lines enables us to supply modules with constant quality.
- ◆ 100% two times EL test to make sure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



NCS-6AML 370W-395W Mono Crystalline Solar Module

Electrical Specification (STC*)

	370W	375W	380W	385W	390W	395W
Maximum Power -Pmax(W) :	370W	375W	380W	385W	390W	395W
Maximum Power Voltage-Vmp(V):	39.40	39.60	39.80	39.98	40.17	40.35
Maximum Power Current-Imp(A):	9.39	9.47	9.55	9.63	9.71	9.79
Open Circuit Voltage -Voc(V):	47.80	48.00	48.20	48.40	48.60	48.80
Short Circuit Current-Isc(A):	9.97	10.05	10.13	10.21	10.29	10.37
Module Efficiency - η m(%):	18.67	18.94	19.19	19.44	19.70	19.95
Power Output Tolerance (W):						0+5W

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

Electrical Specification (NOCT*)

	274.43W	278.50W	282.22W	285.98W	288.97W	292.76W
Maximum Power -Pmax(W) :	274.43W	278.50W	282.22W	285.98W	288.97W	292.76W
Maximum Power Voltage-Vmp(V):	36.30	36.50	36.70	36.90	37.00	37.20
Maximum Power Current-Imp(A):	7.56	7.63	7.69	7.75	7.81	7.87
Open Circuit Voltage -Voc(V):	44.30	44.50	44.70	44.90	45.10	45.30
Short Circuit Current-Isc(A):	8.06	8.12	8.19	8.25	8.32	8.39

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

Mechanical Specifications:

Solar Cell Type:	Mono-crystalline 158.75x158.75mm
Number of Cells:	72pcs (12x6)
Module Size:	1980*1000*40mm
Weight:	23.5kg
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 ² 1200mm
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:	1500V
Maximum Series Fuse Rating:	20A

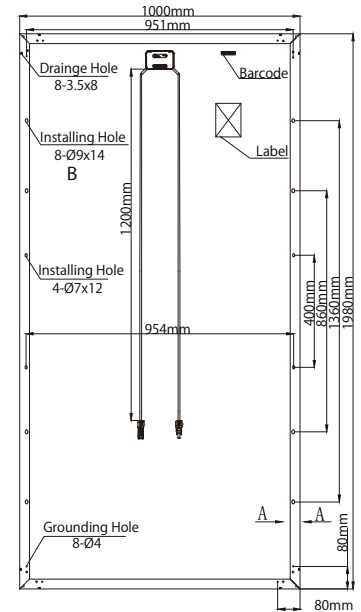
Optional:

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

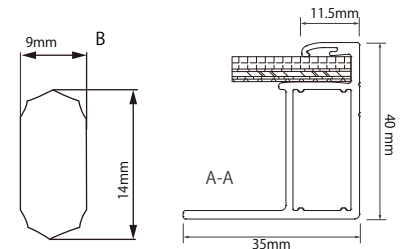
Packaging Information:

Number per Box:	26PCS
Number per 20GP:	260PCS
Number per 40GP:	572PCS
Number per 40HC:	638PCS

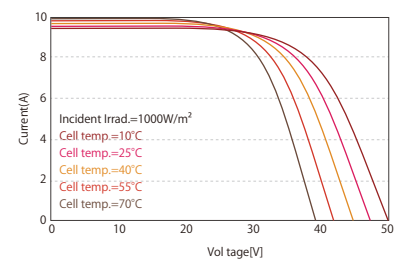
Engineering Drawings



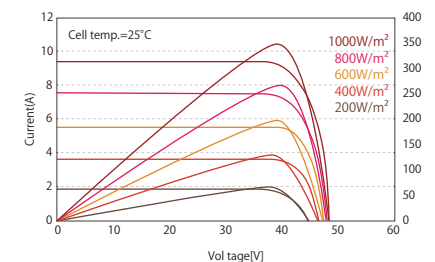
Back View



U-I Curve at Different Temperature (370W)



U-I/P-U Curve at Different Irradiation (370W)



CAUTION:READ INSTALLATION MANUAL BEFORE USING THE PRODUCT

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