

NCS

Your Energy
Nice Sun

NCS-6AP-DG



Dual Glass Poly Crystalline Solar Module

72pcs solar cells layout

310W-345W Positive Sorting

100% A Grade Solar Cells

OEM/ODM Available

Key Features



Enhanced safety by excellent fire resistance due to double glass structure.



Withstand up to 1500V system voltage, effectively reduce the BOS cost.



More power yield, more returns due to lower annual power degradation.



Double glass and frameless design to make micro-cracks, snail trails and dust free, reduce the O/M cost.



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.



Flexible cells layout design to meet different needs of transmittance.

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

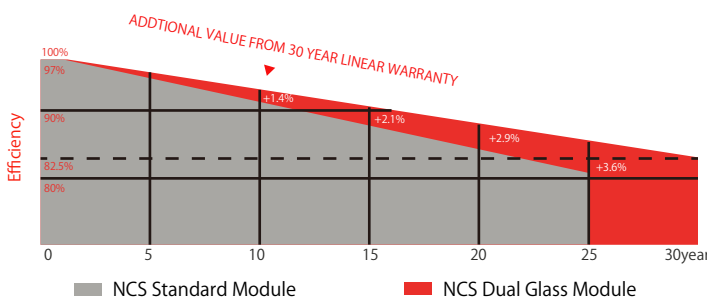
- ◆ Our own vertical pv products supply chain makes our modules more cost-effective in the market.
- ◆ Variety kinds of modules to meet the diversified needs of our clients.
- ◆ Highly automated production lines enables us to supply modules with constant quality.
- ◆ 100% two times EL test to make sure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



12 YEARS Guarantee on product material and workmanship



30 YEARS Linear power output warranty

LEVO SOLAR TECHNOLOGY CO., LTD

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



NCS-6AP-DG

310W-345W Dual Glass Poly Crystalline Solar Module

Electrical Specification (STC*)

Maximum Power -Pmax(W) :	310W	315W	320W	325W	330W	335W	340W	345W
Maximum Power Voltage-Vmp(V):	37.00	37.20	37.40	37.60	37.80	38.00	38.20	38.90
Maximum Power Current-Imp(A):	8.38	8.47	8.56	8.64	8.73	8.82	8.90	8.87
Open Circuit Voltage -Voc(V):	45.40	45.60	45.80	46.00	46.20	46.40	47.60	47.80
Short Circuit Current-Isc(A):	9.12	9.16	9.20	9.24	9.33	9.41	9.49	9.61
Module Efficiency - η m(%):	15.88	16.13	16.39	16.65	16.90	17.16	17.42	17.67
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) :	231.04W	234.88W	238.72W	242.56W	246.40W	250.28W	254.18W	258.12W
Maximum Power Voltage-Vmp(V):	34.30	34.50	34.70	34.90	35.10	35.30	35.50	35.80
Maximum Power Current-Imp(A):	6.74	6.81	6.88	6.95	7.02	7.09	7.16	7.21
Open Circuit Voltage -Voc(V):	42.30	42.50	42.70	42.90	43.10	43.30	43.50	44.10
Short Circuit Current-Isc(A):	7.35	7.39	7.43	7.46	7.53	7.59	7.66	7.75

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

Mechanical Specifications:

Solar Cell Type:	Poly-crystalline 156.75x156.75mm
Number of Cells:	72pcs (12x6)
Module Size:	1968*992*6mm
Weight:	27kg
Front Glass:	High transparency self-cleaning solar glass 2.5mm
Back Glass:	Float solar glass 2.5mm
Inter-layer:	EVA
Junction Box:	IP68
Number of Diodes:	3pcs
Cable:	4.0mm ² 500mm
Connector:	MC4 Compatible
Wind/Snow Load:	2400pa/5400pa

Temperature Coefficient:

Nominal Operating Cell Temp(NOCT):	45±2°C
Temperature Coefficient of ISC:	0.050%/°C
Temperature Coefficient of VOC:	-0.30%/°C
Temperature Coefficient of Pmax:	-0.39%/°C

Maximum Ratings

Operational Temperature:	-40~85°C
Maximum System Voltage:	1500V
Maximum Series Fuse Rating:	20A

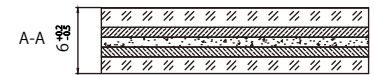
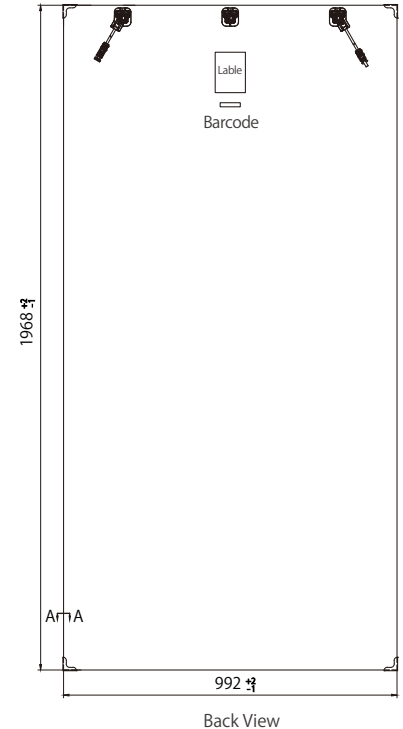
Optional:

Junction box:	Smart Junction box available
Connector:	MC4 Original
Inter-layer:	POE
Frame:	Frame can be required

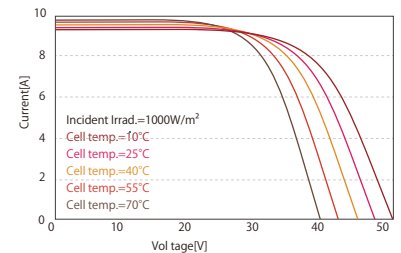
Packaging Information:

Number per Box:	33PCS
Number per 20GP:	330PCS
Number per 40GP:	726PCS

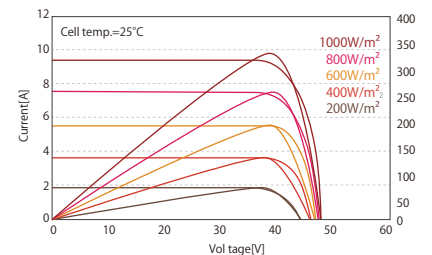
Engineering Drawings



U-I Curve at Different Temperature (345W)



U-I/P-U Curve at Different Irradiation (345W)



CAUTION:READ INSTALLATION MANUAL BEFORE USING THE PRODUCT

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