



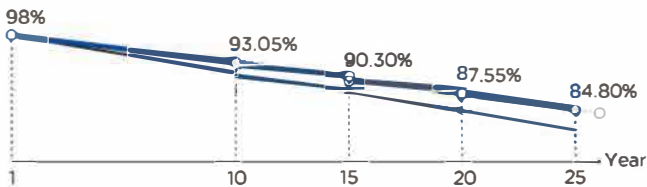
NV820986
555W

[Full Screen] P V M o d u l e

No Dust and Dirt on the Surface Increase Power Generation

Quality Guarantee

- 12-year → Material & technology warranty
- 25-year → Linear power output warranty



This module Linear power output guarantee
 Standard Linear power output guarantee

Comprehensive Products & System Certificates



IEC 61215 / IEC 61730 / CE / FIDE / INMETRO
 ISO 45001: 2018/International standards for occupational health & safety
 ISO 14001: 2015/Standards for environmental management system
 ISO 9001: 2015/Quality management system

Low current, Increase power generation
 1/3 design, lower current and lower loss

Increase power generation by 6.15%+
 Panel is capable to decrease power generation loss caused by Dust, reduce the hot spot risk.

Curved Surface 128° R Angle
 Reduce holding pressure by 75%+
 Curved Frame with ergonomic Design, optimized Delivery and Installation Experience.

Revolutionary Assembling Technology
 Using excellent frame assembling technology, Strong Adhesion, Durable in Use.

Excellent mechanical load capacity
 Certified by Dust-Sand, Salt-Mist, Ammonia etc. weather resistance tests and enhanced mechanical load: wind load (2400 Pa) and snow load (5400 Pa)

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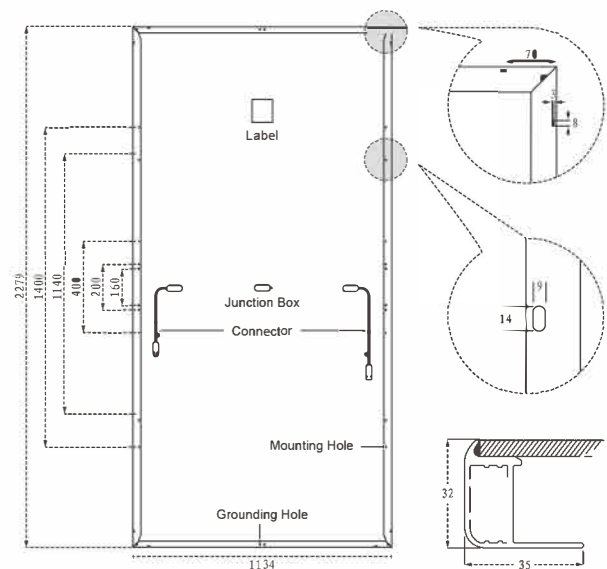
Mechanical Specification

Cable	4.0mm ² , 300/400mm in length,
(Including connector)	length can be customized
No. of Cells	216 (6×36)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	29kg
Cells Type	Mono 182×60.7mm
Dimension (L×W×T)	2279×1134×32mm
Packing	34pcs/pallet, 680pcs/40HQ

Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	20A
Snow load, frontside/Wind load, backside	5400Pa/2400Pa
Nominal operating cell temperature	42°C±2°C
Application level	Class A

Design



STC — Electrical Characteristics

Module Type	NV820986
Maximum Power (Pmax/W)	555
Open-circuit Voltage (Voc/V)	74.9
Maximum Power Voltage (Vmp/V)	63.2
Short-circuit Current (Isc/A)	9.37
Maximum Power Current (Imp/A)	8.78
Module Efficiency (%)	21.48

Power Tolerance: 0~+5W, Temperature Coefficient of Isc: 0.05%/°C, Temperature Coefficient of Voc: -0.31%/°C, Temperature Coefficient of Pmax: -0.35%/°C

Standard Test Environment : Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5

NOCT — Electrical Characteristics

Maximum Power (Pmax/W)	418
Open-circuit Voltage (Voc/V)	71.0
Maximum Power Voltage (Vmp/V)	59.9
Short-circuit Current (Isc/A)	7.57
Maximum Power Current (Imp/A)	6.97

Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

I-V Curve

