








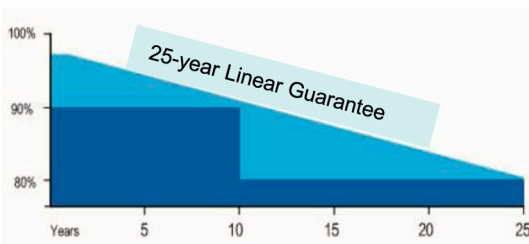
## LN280(36)M-3-xxx (290-315W mono)



### Key Features

-  25 year irrevocable warranty insurance-Solarsafe
-  High performance and power output in low solar irradiation
-  Anti-reflective and self-cleaning surface reduces power loss from dirt and dust
-  Certified to withstand increased snow loads of up to 5400pa and wind loads of up to 2400pa
-  High salt and ammonia resistance certified by TUV Nord
-  Top-Ranking in STS Long-term Test
-  Assurance: German Contract Partner and German law




### Superior Warranty



#### 25-year Linear Power Output Warranty

In the first year of warranty, the peak power of polycrystalline module should be no less than 97.5% of the rated power (Pmax.) and 96.5% for mono-crystalline module. At the end of the 25th year, power of modules should be at least 80% of rated power. The annual decline in performance is 0.729% maximum for polycrystalline modules and 0.68% for mono-crystalline modules.

### Reliable Quality

-  Power output: Positive tolerance of up to 5W
-  100%EL 3 times-inspection ensures modules are defect free
-  10 year product warranty, 25 year linear performance warranty

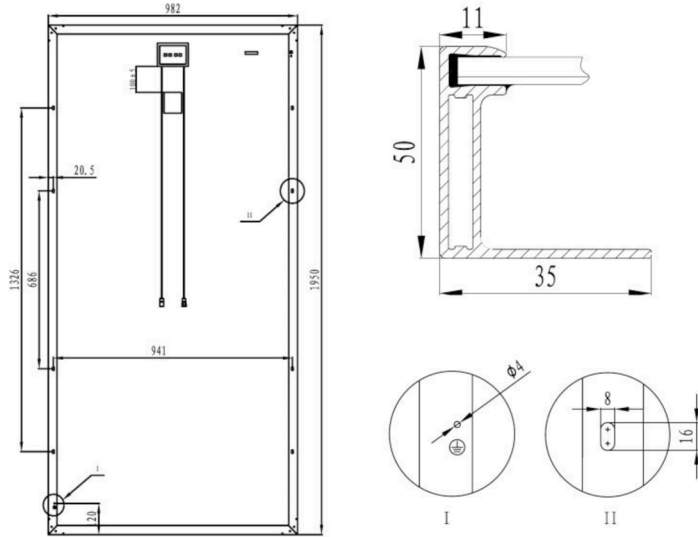
### Comprehensive Certificates

- IEC61215, IEC61730, UL1703,
- TUV, UL, PV Cycle, Golden Solar, J-PEC, CEC, MCS, CE
- ISO9001:2008
- ISO14001:2004
- OHSAS 18001:1999:

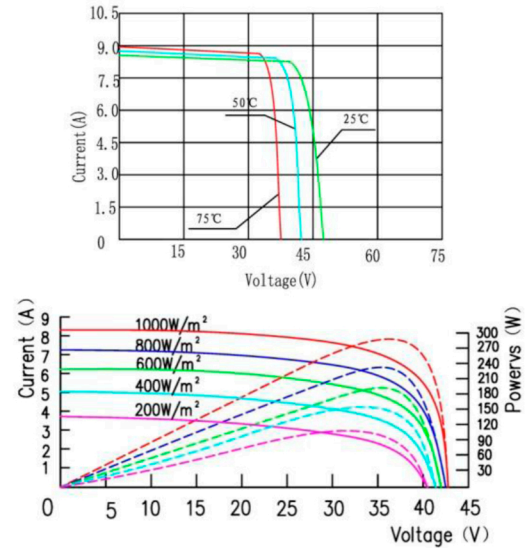


Specification subject to technical changes and tests. Linuo Power reserves the right of final interpretation

## Engineering Drawings



## I-V Curve



## Temperature Coefficient

Temperature Cycling Range	-40°C to +85°C
Norminal Operating Cell Temperature	48 °C
Temperature Coefficient of Isc:	0.063%/°C
Temperature Coefficient of Voc	-0.431%/°C
Temperature Coefficient of Pmax	-0.357%/°C

## Mechanical Data

Module Dimension:	1950*982*50mm
Weight:	23.5kg
Mechanical Load:	5400 pascals
Number of Cells:	72pcs
Thickness of Glass:	4.0mm

## Guarantee

10-year warranty on materials & workmanship  
25-year linear power output warranty

## Packaging Configuration

Modules per Pallet:	20 pcs
Modules per 40'HQ:	440pcs

## Electrical Parameters

Pmax (W)	Uoc (V)	Isc (A)	Umpp (V)	Impp (A)	FF	Module Efficiency	Max System Voltage	Max Series Fuse
290	45.52	8.73	35.81	8.1	72.99%	15.14%		
295	45.67	8.77	36.16	8.16	73.67%	15.41%		
300	45.82	8.81	36.5	8.22	74.33%	15.67%		
305	45.97	8.85	36.84	8.28	74.98%	15.93%	1000V	15A
310	46.15	8.87	37.22	8.33	75.74%	16.19%		
315	46.2	8.92	37.55	8.39	76.51%	16.45%		

STC:  Irradiance 1000W/m<sup>2</sup>  Module Temperature 25°C  AM=1.5

NOCT:  Irradiance 800W/m<sup>2</sup>  Module Temperature 20°C  AM=1.5  Wind Speed 1m/s

\* Special product,pls consult Linuo Power if you have demand

