



SOLAR  
POWER  
ENERGY  
LED

THE POWER  
OF OUR FUTURE



## SOLAR MODULES Features & Performance

Our solar modules have been certified the CE, ISO9001, ISO14001, OHSAS18001 etc. As we are PV manufacturer leader in Indonesia, high quality and high efficiency are our prioritized goal. We promise to supply our optimized products to customers.

- Maximum Power: 130Wp
- Module Efficiency: 15.16%
- Product Warranty: 10 years
- Power Warranty: 10 years  $\geq 90\%$   
25 years  $\geq 80\%$

ST36p130/120/110  
ST36P100/90/80  
ST36P70



### Mechanical Property

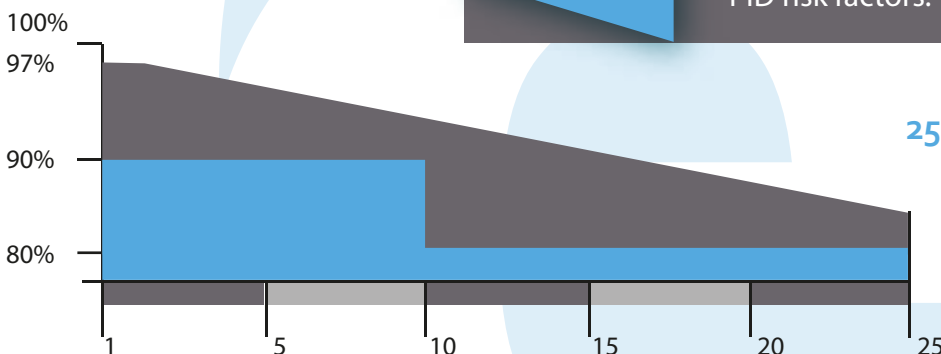
- Snow loads up to 5400Pa
- Wind loads up to 2400Pa

### Low Light Performance

- Excellent performance under low light (morning, evening and cloudy days)

### High Durability

- Durable PV modules, independently tested for harsh environmental conditions, such as exposure to salt mist, ammonia and known PID risk factors.



25 Years Linear Warranty



## Electrical Performance (STC: AM 1.5, 1000W/m<sup>2</sup>, 25°C)

Module Type	ST36P130	ST36P120	ST36P110	ST36P100	ST36P90	ST36P80	ST36P70
Maximum Power (Pmax / W)	130	120	110	100	90	80	70
Power Tolerance	± 3%						
Maximum Power Voltage (Vm / V)	18.1	18.0	17.9	17.9	17.8	17.7	17.6
Maximum Power Current (Im / A)	7.19	6.65	6.16	5.59	5.05	4.51	3.97
Open Circuit Voltage (Voc / V)	21.9	21.8	21.7	21.7	21.6	21.5	21.3
Short Circuit Current (Isc / A)	7.92	7.33	6.77	6.16	5.66	5.05	4.44
Module Efficiency (%)	15.16	15.05	14.93	14.78	14.76	14.74	14.51

## System Design

## Operation Conditions

Static Load (Front/Back)	5400Pa/2400Pa	Maximum System Voltage (VDC)	1000 (IEC)/ 600 (UL)
Application class	Class A	Maximum Series Fuse Rating (A)	10
Fire safety class (IEC61730)	Class C	Operating Module Temperature (°C)	-40 to +85

## Mechanical Properties

Dimensions (LxWxH / mm)	1280x670x30	1190x670x30	1100x670x30	1010x670x30	910x670x30	810x670x30	720x670x30
Installation holes distance (LxW/mm)	840x640	780x640	720x640	660x640	600x640	540x640	480x640
Weight (Kg)	11.2	10.9	10.3	10	8.8	8	6.6
Sizes of Cells (LxW/mm)	156x135	156x124.8	156x114.5	156x104	156x93.6	156x83	156x73
No. of Cells (pcs)	36 (4x9)						
Sizes of Junction box cable (mm <sup>2</sup> /mm)	4 / 900					2.5 / 900	
Container 20GP(pcs)	640	640	800	768	960	960	1120
Container 40HC(pcs)	1632	1728	1920	2016	2304	2688	2880

