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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Sky Energy Indonesia  
ST36M70-130  
ST36M110**





Also available on the web at  
[EnergyPal.com/sky-energy-indonesia-solar-panels/st36m110](http://EnergyPal.com/sky-energy-indonesia-solar-panels/st36m110)



## SOLAR MODULES

### Features & Performance



Our PV modules have been certified by the CE; SKY ENERGY is certified by ISO9001, ISO14001, OHSAS18001 etc. As a leading PV manufacturer in Indonesia, our prioritized goal is to keep developing and producing high quality and high efficiency modules.

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


ST36M130/120/110  
ST36M100/90/80  
ST36M70




#### Mechanical Property

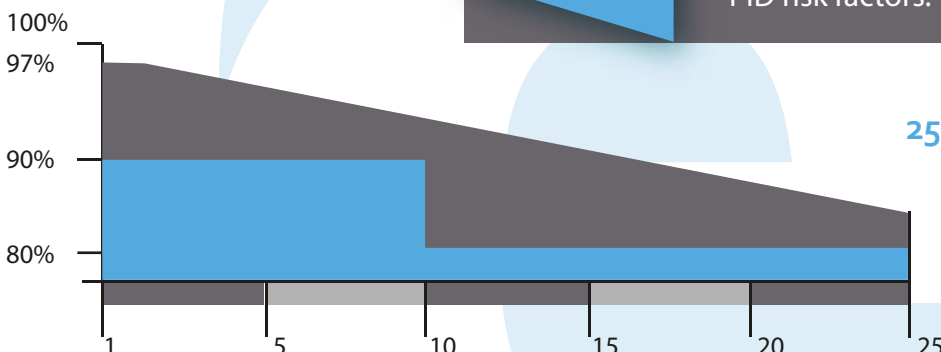
-  Snow loads up to 5400Pa
-  Wind loads up to 2400Pa

#### 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	ST36M130	ST36M120	ST36M110	ST36M100	ST36M90	ST36M80	ST36M70
Maximum Power (Pmax / W)	130	120	110	100	90	80	70
Power Tolerance	± 3%						
Maximum Power Voltage (Vm / V)	17.9	17.8	17.7	17.7	17.6	17.6	17.5
Maximum Power Current (Im / A)	7.26	6.74	6.21	5.65	5.11	4.55	4.00
Open Circuit Voltage (Voc / V)	21.5	21.4	21.2	21.2	21.1	21.1	21.0
Short Circuit Current (Isc / A)	7.96	7.39	6.81	6.28	5.68	5.05	4.44
Module Efficiency (%)	15.16	15.05	14.93	14.78	14.76	14.58	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

