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# **EnergyPal**

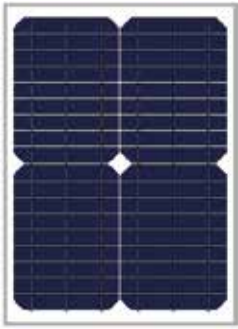
## **Solar Panel Guide Specification Data Sheet**

**Sky Energy Indonesia**

**ST36M5-60**

**ST36M60**



Also available on the web at  
[EnergyPal.com/sky-energy-indonesia-solar-panels/st36m60](http://EnergyPal.com/sky-energy-indonesia-solar-panels/st36m60)



## 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: 60Wp**
-  **Module Efficiency: 13.99%**
-  **Product Warranty: 10 years**
-  **Power Warranty: 10 years  $\geq 90\%$   
25 years  $\geq 80\%$**


ST36M60/50/40  
ST36M30/20/10  
ST36M5




#### Mechanical Property

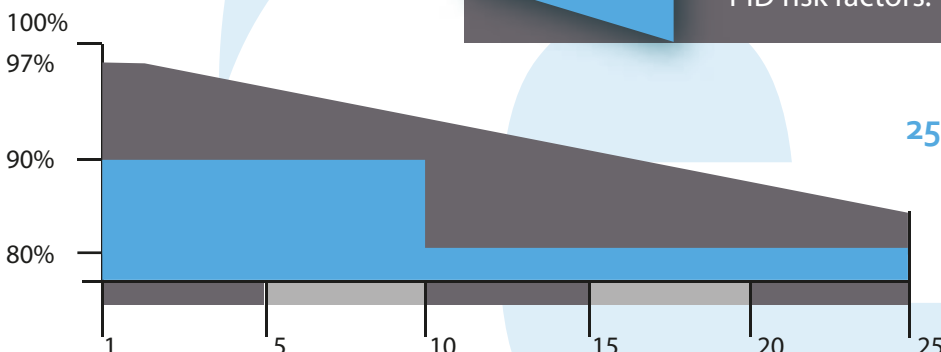
-  Snow loads up to 5400Pa
-  Wind loads up to 2400Pa

#### 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	ST36M60	ST36M50	ST36M40	ST36M30	ST36M20	ST36M10	ST36M5
Maximum Power (Pmax / W)	60	50	40	30	20	10	5
Power Tolerance	± 3%						
Maximum Power Voltage (Vm / V)	17.5	17.4	17.3	17.2	17.0	16.8	8.4
Maximum Power Current (Im / A)	3.43	2.87	2.31	1.74	1.18	0.60	0.60
Open Circuit Voltage (Voc / V)	21.0	20.9	20.8	20.6	20.4	20.2	10.1
Short Circuit Current (Isc / A)	3.86	3.24	2.60	1.96	1.34	0.68	0.68
Module Efficiency (%)	13.99	13.82	13.57	13.59	12.08	11.15	10.4

## System Design

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

## Operation Conditions

## Mechanical Properties

Dimensions (LxWxH / mm)	640x670x25	540x670x25	440x670x25	640x345x25	480x345x17	260x345x17	260x185x17
Installation holes distance (LxW/mm)	420x634	350x634	280x634	420x309	320x325	160x325	160x165
Weight (Kg)	5	3.4	2.9	2.4	2	1.6	1.3
Sizes of Cells (LxW/mm)	156x62.4	156x52	156x41.5	156x31.2	156x21.88/23.3	78x21.88/23.3	78x21.88/23.3
No. of Cells (pcs)	36 (4x9)	36 (4x9)	36 (4x9)	36 (2x18)	36 (2x18)	36 (4x9)	18 (2x9)
Sizes of Junction box cable (mm <sup>2</sup> /mm)	2.5 / 900					0 / 0	
Container 20GP(pcs)	1824	1984	2432	3648	6723	10584	19440
Container 40HC(pcs)	3968	4864	6080	7296	13608	25920	40824

