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EnergyPal

Solar Panel Guide Specification Data Sheet

Sky Energy Indonesia

ST36P5-60

ST36P20

Also available on the web at
EnergyPal.com/sky-energy-indonesia-solar-panels/st36p20

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 $\geq 80\%$**

ST36p60/50/40
ST36P30/20/10
ST36P5



Mechanical Property

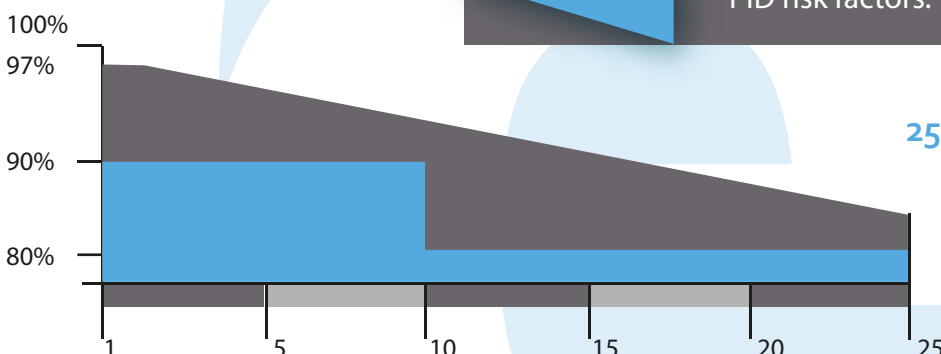
- Snow loads up to 5400Pa
- Wind loads up to 2400Pa

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/m², 25°C)

Module Type	ST36P60	ST36P50	ST36P40	ST36P30	ST36P20	ST36P10	ST36P5
Maximum Power (Pmax / W)	60	50	40	30	20	10	5
Power Tolerance	± 3%						
Maximum Power Voltage (Vm / V)	17.5	17.5	17.4	17.4	17.1	17.0	8.5
Maximum Power Current (Im / A)	3.43	2.86	2.30	1.73	1.17	0.59	0.59
Open Circuit Voltage (Voc / V)	21.2	21.1	21.0	21.0	20.5	20.4	10.2
Short Circuit Current (Isc / A)	3.85	3.20	2.58	1.95	1.34	0.67	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)	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

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	156x22.28	78x22.28	78x22.28
No. of Cells (pcs)	36 (4x9)	36 (4x9)	36 (4x9)	36 (2x18)	36 (2x18)	36 (4x9)	18 (2x9)
Sizes of Junction box cable (mm ² /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

