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Solar Panel Guide Specification Data Sheet

Sky Energy Indonesia ST60P235-260 ST60P235





Also available on the web at
EnergyPal.com/sky-energy-indonesia-solar-panels/st60p235

SOLAR MODULES

Features & Performance





Our PV modules have been certified by the TUV, CE, CSA; 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: 260Wp**
-  **Module Efficiency: 16.01%**
-  **Product Warranty: 10 years**
-  **Power Warranty: 10 years $\geq 90\%$
25 years $\geq 80\%$**

ST60P260/255/250
ST60P245/240/235


Mechanical Property

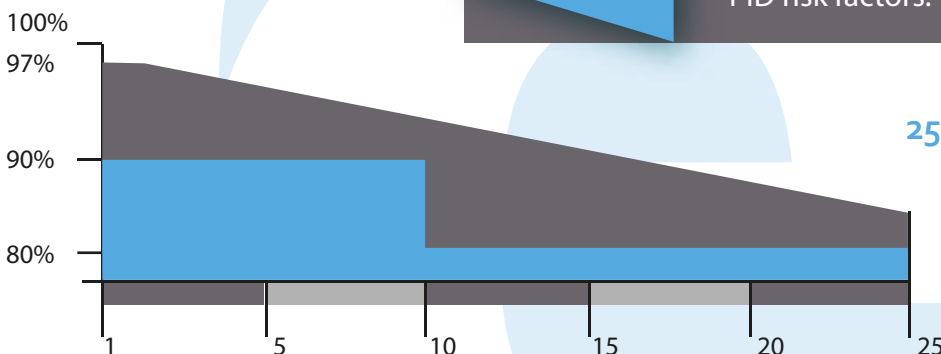
-  Snow loads up to 5400Pa
-  Wind loads up to 2400Pa

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	ST60P260	ST60P255	ST60P250	ST60P245	ST60P240	ST60P235
Maximum Power (Pmax / W)	260	255	250	245	240	235
Power Tolerance	0 ~ +3%					
Maximum Power Voltage (Vm / V)	30.9	30.8	30.5	30.3	30.2	30.1
Maximum Power Current (Im / A)	8.42	8.30	8.22	8.09	7.95	7.81
Open Circuit Voltage (Voc / V)	37.6	37.4	37.3	37.1	36.9	36.5
Short Circuit Current (Isc / A)	8.90	8.78	8.68	8.61	8.51	8.43
Module Efficiency (%)	16.01	15.71	15.40	15.09	14.78	14.47

Electrical Performance (NOCT : wind speed 1m/s, 800W/m², 20°C)

Module Type	ST60P260	ST60P255	ST60P250	ST60P245	ST60P240	ST60P235
Maximum Power (Pmax / W)	190	186	183	179	175	172
Maximum Power Voltage (Vm / V)	28.1	28.0	27.7	27.6	27.5	27.4
Maximum Power Current (Im / A)	6.75	6.65	6.59	6.49	6.38	6.26
Open Circuit Voltage (Voc / V)	34.6	34.4	34.3	34.1	34.0	33.6
Short Circuit Current (Isc / A)	7.19	7.09	7.02	6.95	6.87	6.81

Mechanical Properties

Dimensions (LxWxH / mm)	1640x990x40
Weight (Kgs)	19.5
Solar Cells	Polycrystalline 156x156mm
No. of Cells	60 (6x10)
Glass	3.2mm low-iron tempered glass
Frame	Anodized aluminum alloy
Junction box	IP 65 above, 3 bypass diodes
Cables	4mm ² , length 1000mm
Connectors	IP67, MC4 compatible

Operation Conditions

Maximum System Voltage (VDC)	1000 (IEC) / 600 (UL)
Maximum Series Fuse Rating (A)	15
Operating Module Temperature (°C)	-40 to +85

System Design

Hail safety impact velocity	D 25mm at 23mm/s
Static Load (Front/Back)	5400Pa/2400Pa
Application class	Class A
Fire safety class (IEC61730)	Class C

Packing Configuration

Container Sizes	20GP	40HC
Pieces per pallet	25	25/30
Pallets per Container	12	14+14
Total pieces	300	770

