

KODAK Solar Module

M60S01

285-305 1000V Series

Percium Cell 305W Mono Si 60Cells

Key Features

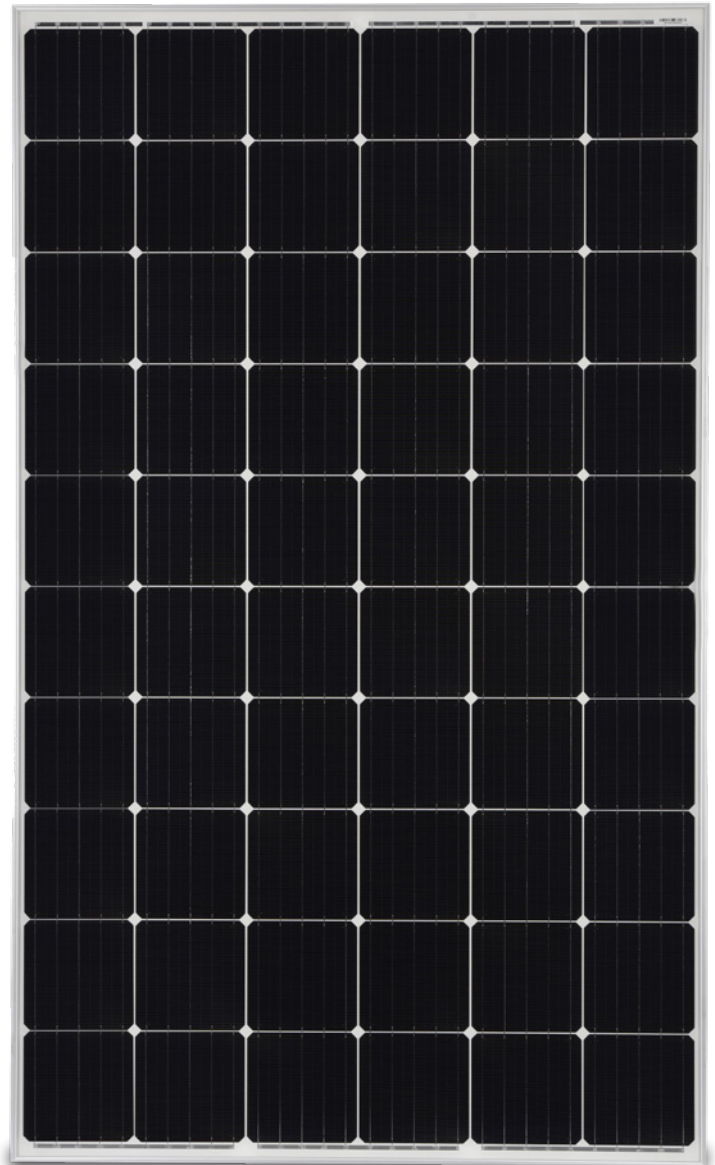
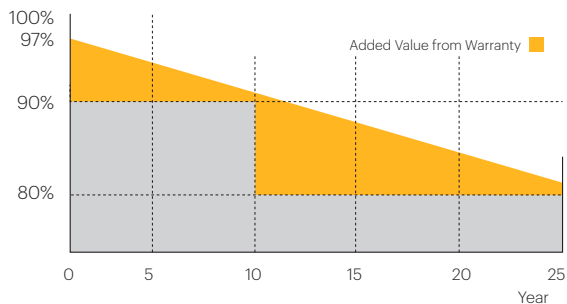
- **Percium Cell** - average Mass Production Efficiency >21%
- **More Power Per m²** - higher conversion efficiency 7% More Power
- **Lower System Cost** - higher conversion efficiency helps you save
- **Excellent Low-light Performance**- Enhanced spectral response at longer wavelength boosts low-light performance, which can produce more than 3% additional power compared with conventional module at system side.

Additional Benefits

- Long-term reliability tests
- Harsh climate environment endurance tests
- Positive power tolerance: 0-+5W
- Modules binned by current to improve system performance
- Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and heavy snow loads (5400Pa)

Superior Warranty

- 12-year product warranty
- 25-year linear power output warranty

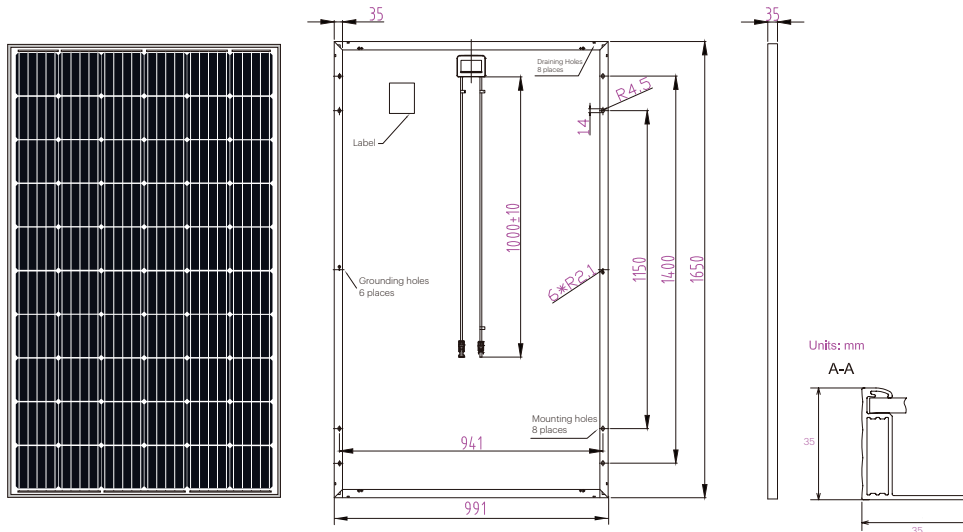


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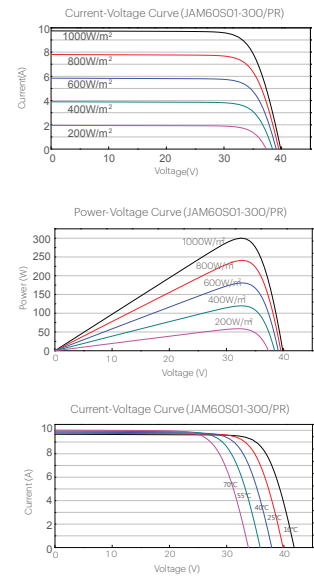
M60S01

SPECIFICATIONS

Mechanical Diagrams



Characteristics



Specifications

Cell	Mono
Weight	18.2kg±3%
Dimensions	1650x991x35mm
Cable Cross Section Size	4mm²
No. of cells	60 (6x10)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	30 Per Pallet

Operating Conditions

Maximum System Voltage	1000V DC (IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	20A
Maximum Static Load, Front	5400Pa
Maximum Static Load, Back	2400Pa
NOCT	45±2°C
Application Class	Class A

Electrical Parameters at STC

MODEL	M60S01-285/PR	M60S01-290/PR	M60S01-295/PR	M60S01-300/PR	M60S01-305/PR
Rated Maximum Power (P _{max}) [W]	285	290	295	300	305
Open Circuit Voltage (V _{oc}) [V]	39.25	39.46	39.64	39.85	40.05
Maximum Power Voltage (V _{mp}) [V]	31.70	31.80	32.03	32.26	32.57
Short Circuit Current (I _{sc}) [A]	9.46	9.57	9.66	9.75	9.85
Maximum Power Current (I _{mp}) [A]	8.99	9.12	9.21	9.30	9.37
Module Efficiency [%]	17.4	17.7	18.0	18.3	18.7
Power Tolerance			0~+5W		
Temperature Coefficient of I _{sc} (α _{Isc})			+0.060%/°C		
Temperature Coefficient of V _{oc} (β _{Voc})			-0.300%/°C		
Temperature Coefficient of P _{max} (γ _{Pmp})			-0.390%/°C		
STC			Irradiance 1000W/m², cell temperature 25°C, AM 1.5G		

Electrical Parameters at NOCT

MODEL	M60S01-285/PR	M60S01-290/PR	M60S01-295/PR	M60S01-300/PR	M60S01-305/PR
Max Power (P _{max}) [W]	209	213	217	221	224
Open Circuit Voltage (V _{oc}) [V]	36.11	36.34	36.57	36.75	36.95
Max Power Voltage (V _{mp}) [V]	29.37	29.56	29.63	29.69	29.90
Short Circuit Current (I _{sc}) [A]	7.53	7.61	7.69	7.78	7.86
Max Power Current (I _{mp}) [A]	7.13	7.21	7.32	7.43	7.50
NOCT			Irradiance 800 W/m², ambient temperature 20, wind speed 1m/s AM 1.5G		

Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types. All information contained in this document is subject to change without notice.

