

SM-260PC8 60 cell-series

Polycrystalline PV Module



245 ~ 260 Watt

S-Energy: Quality for a Lifetime

Continuously manufacturing PV modules since 1991, S-Energy is one of the industry's most experienced PV module producers. Twenty years of field operating data support S-Energy's reputation as the best over-all quality, performance and value for solar investors. The cutting edge PC8 Series again leads the industry in advanced design, construction, and performance. The PC8 Series is the perfect building block for any system size in any environment. For confidence that lasts the lifetime of the PV system, specify the S-Energy PC8 Series modules.

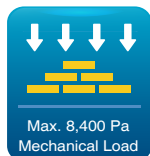


Features



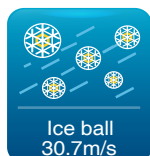
POSITIVE TOLERANCE

0~+5W positive power sorting



MECHANICAL LOAD

8,400 Pa (857 kg/m²)
(IEC Standard: 245 kg/m²)



HAIL IMPACT TEST

30.7m/s speed ball
(IEC Standard: 23 m/s)



AMMONIA CORROSION RESISTANCE TEST

Applicable in agricultural
and stock breeding environment



SALT MIST CORROSION TEST

Applicable in marine environment



LINEAR WARRANTY

Max annual power decline 0.7%

Qualifications & Certifications

IEC 61215 & 61730, CE, UL1703, MCS,
ISO 9001, ISO 14001, OHSAS 18001, PV Cycle



Mechanical Characteristics

Solar cell	Polycrystalline 156mm x 156mm (6 inches)
No. of cells	60 cells 6 x 10 matrix
Dimensions	1665mm x 999mm x 50mm
Weight	20 kg (44.09 lbs)
Front glass	3.2mm High-transmittance low iron tempered glass
Frame	Anodized aluminum silver frame Option : black color
Output cables	PV Wire(PV1-F), 12AWG (4mm ²) / Cable length : 1000mm
Connectors	MC4 connectable

Warranty

Product warranty	10 years limited product warranty
Performance warranty	1 st year minimum peak power output : 97%
	2 nd year to 24 th year peak power output : max annual power decline 0.7%
	25 years peak power output : 80.2%

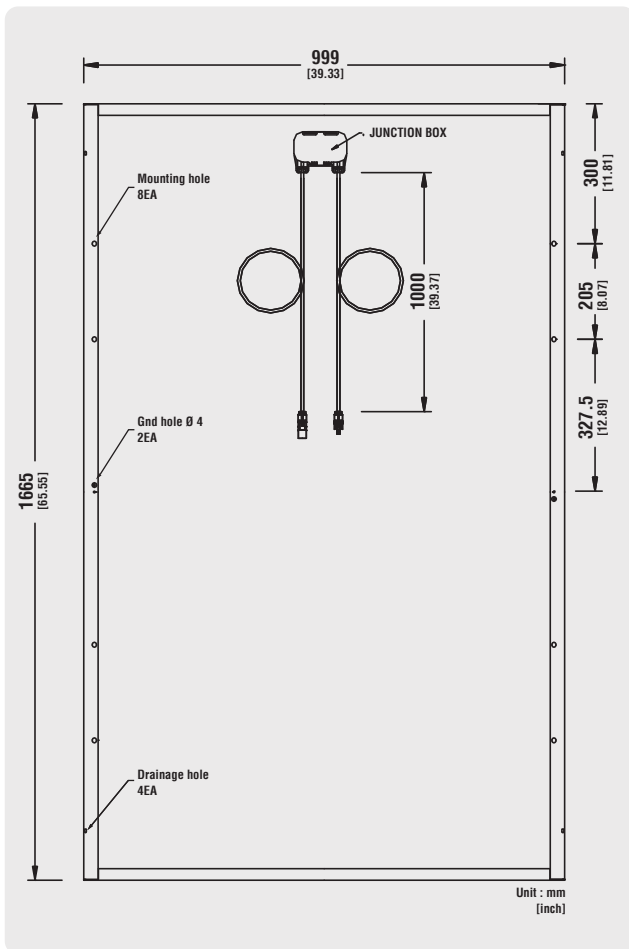
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Electrical Characteristics

STC (Irradiance 1000W/m ² , module temperature 25 °C, AM=1.5)	SM-245PC8	SM-250PC8	SM-255PC8	SM-260PC8
Rated power (P _{max})	245W	250W	255W	260W
Voltage at P _{max} (V _{mp})	30.4V	30.8V	30.9V	31.2 V
Current at P _{max} (I _{mp})	8.08A	8.14A	8.27A	8.33 A
Warranted minimum P _{max}	245W	250W	255W	260W
Short-circuit current (I _{sc})	8.63A	8.67A	8.84A	8.89 A
Open-circuit voltage (V _{oc})	37.4V	37.5V	38.0V	38.1 V
Module efficiency	14.72%	15.03%	15.33%	15.63 %
Operating module temperature	-40 °C to + 85 °C			
Maximum system voltage	600VDC(UL) / 1000VDC(UL) / 1000VDC(IEC)			
Maximum series fuse rating	15A			
Maximum reverse current	20.25A			
Power tolerance	0 ~ +5 W			

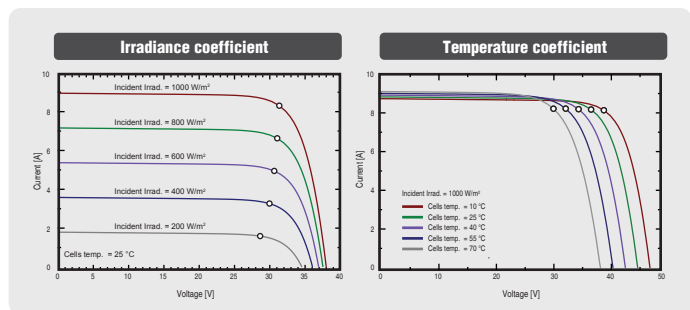


Temperature Characteristics

Temperature coefficient of I _{sc}	0.052% / °C
Temperature coefficient of V _{oc}	-0.312% / °C
Temperature coefficient of power	-0.429% / °C
NOCT (Air 20 °C ; Sun 0.8kW/m ² ; Wind 1m/s)	45±3 °C

Packing Configuration

Container	40' H/C
Modules Per pallet	20 pcs
Pallets Per container	26 pallets
Modules Per container	520 pcs



Remarks :

P_{max} measurement tolerance : ±3%
 S-Energy uses triple AAA class simulator.
 Specification subject to change without prior notice. S-Energy reserves the rights of final interpretation.
 Document : SE-Datasheet_260PC8_3BB_60_2014_EN_V05

S-Energy Co., Ltd.

Address. 3rd Fl., Miraeasset Tower, 685, Sampyeong-dong, Bundang-gu, Seongnam-si, Gyeonggi-do 463-400, Republic of KOREA
 Tel. +82-70-4339-7100 Fax. +82-70-4339-7199 E-mail. inquiry@s-energy.com

SEAI America, Inc.(dba S-Energy America)

Address. 18881 Von Karman Ave, Suite 760 Irvine, CA 92612, U.S.A
 Tel. +1-949-281-7897 Fax. +1-949-281-7893 E-mail. operations@s-energy.com

S-Energy Japan Co., Ltd.

Address. 1-6-9, Koujimachi, Chiyoda-ku, Tokyo, DIK Koujimachi building 3F-A, Japan
 Tel. +81-3-6261-3759 Fax. +81-3-6261-3769 E-mail. toru.yasuda@s-energy.com