

ELECTRICAL SPECIFICATION (STC)

Module	SEAM60T-270 SEAM60W-270	SEAM60T-275 SEAM60W-275	SEAM60T-280 SEAM60W-280	SEAM60T-285 SEAM60W-285
Rated Power (Pmpp)	270W _{+5/-0}	275W _{+5/-0}	280W _{+5/-0}	285W _{+5/-0}
Rated Current (Impp)	8.67A	8.71A	8.81A	8.89A
Rated Voltage (Vmpp)	31.15V	31.58V	31.79V	32.06V
Short Circuit Current (Isc)	9.02A	9.18A	9.28A	9.37A
Open Circuit Voltage (Voc)	38.43V	38.67V	39.15V	39.47V
Efficiency	16.4%	16.7%	17.0%	17.3%

MECHANICAL SPECIFICATION

Cell Type	Mono-crystalline
Cell Dimension	156.75mm × 156.75mm
Module Dimension	1662mm × 990mm × 5mm (J-box not included)
Weight	19.6kg
Front Glass	2mm tempered AR glass
Encapsulant	POE
Back Glass	2mm tempered glass / 2mm ceramic coated glass
Junction Box	IP67 (three bypass diodes)
Cable	4.0mm ²
Connector	LCS-R1 (MC4 equivalent)

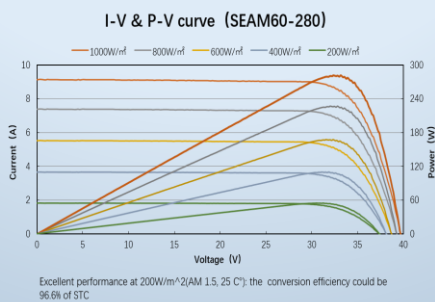
TEMPERATURE COEFFICIENT

Nominal Operating Cell Temperature	NOCT	°C	45±2
Temperature Coefficient of Isc	α	%/°C	+0.032
Temperature Coefficient of Voc	β	%/°C	-0.305
Temperature Coefficient of Pmpp	γ	%/°C	-0.404

LIMITS

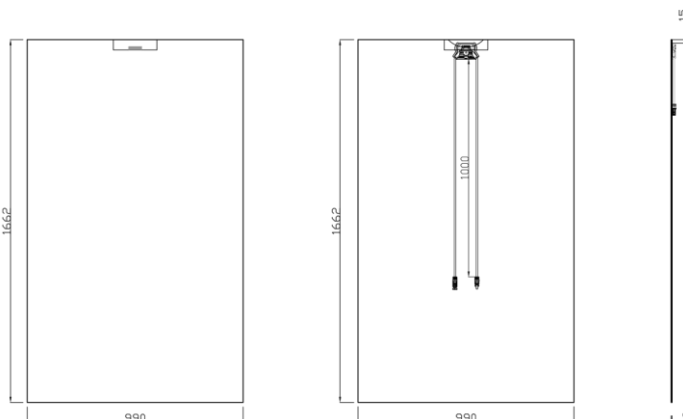
Operational Temperature	°C	-40 ~ +85
Maximum Static Load	Pa	5400
Maximum Wind Load	Pa	2400
Maximum System Voltage	V(DC)	IEC:1000 UL:1000
Maximum Series Fuse Rating	A	15

DIMENSION(mm)



Packaging Configuration

Modules per box: 38 pieces
Modules per 40' container: 988 pieces



AMD-EN-APR-17