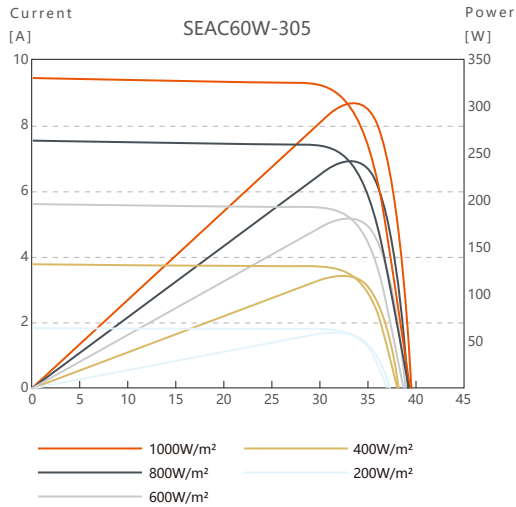


I-V & P-V Curve



DIMENSION(mm)

ELECTRICAL SPECIFICATION (STC)

Module	SEBC60W-300	SEBC60W-305	SEBC60W-310	SEBC60W-315
Rated Power (Pmpp) (W)	300	305	310	315
Power Output Tolerance (W)	0~+5			
Rated Current (Imp) (A)	9.26	9.32	9.44	9.52
Rated Voltage (Vmp) (V)	32.40	32.73	32.84	33.09
Short Circuit Current (Isc) (A)	9.73	9.78	9.94	10.02
Open Circuit Voltage (Voc) (V)	39.87	39.92	39.98	40.06
Efficiency(%)	18.2	18.5	18.8	19.2
Operational Temperature	-40~+85°C			
Maximum Static Load	5400Pa			
Maximum Wind Load	2400Pa			
Maximum System Voltage	IEC:1000/1500V			
Maximum Series Fuse Rating	20A			

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.

ELECTRICAL DATA (NOCT)

Maximum Power (Pmax) (W)	222.00	225.56	229.14	232.64
Maximum Power Voltage (Vmp) (V)	30.26	30.48	30.48	30.67
Maximum Power Current (Imp) (A)	7.34	7.40	7.52	7.59
Open Circuit Voltage (Voc) (V)	37.04	37.06	37.12	37.18
Short Circuit Current (Isc) (A)	7.83	7.87	8.00	8.06

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

MECHANICAL SPECIFICATION

Cell Type	Perc Mono-crystalline
Cell Orientation	156.75mm × 156.75mm
Module Dimensions	1662mm × 996mm × 25mm
Weight	17.5kg
Front Glass	1.6mm tempered AR glass
Encapsulant	EVA
Back Glass	1.6mm ceramic coated glass
Junction Box	IP68 (three bypass diodes)
Cable	4mm ²
Connector	MC4 / MC4 equivalent

TEMPERATURE COEFFICIENT

NOCT(Nominal Operating Cell Temperature)	45±2°C
Temperature Coefficient of Isc	+0.0484%/°C
Temperature Coefficient of Voc (β)	-0.2883%/°C
Temperature Coefficient of Pmpp (γ)	-0.3797%/°C

PACKAGING CONFIGURATION

Modules per box	33 pieces
Modules per 40' container	858 pieces

* Declaration:

The technical specifications in this document may be slightly biased and Amaden does not guarantee its complete accuracy. Due to continuous technological innovation and product optimization, Amaden reserves the right to adjust the specification in this document at any time without prior notice. When signing a contract, the client should obtain the latest product datasheet as part of a binding contract.