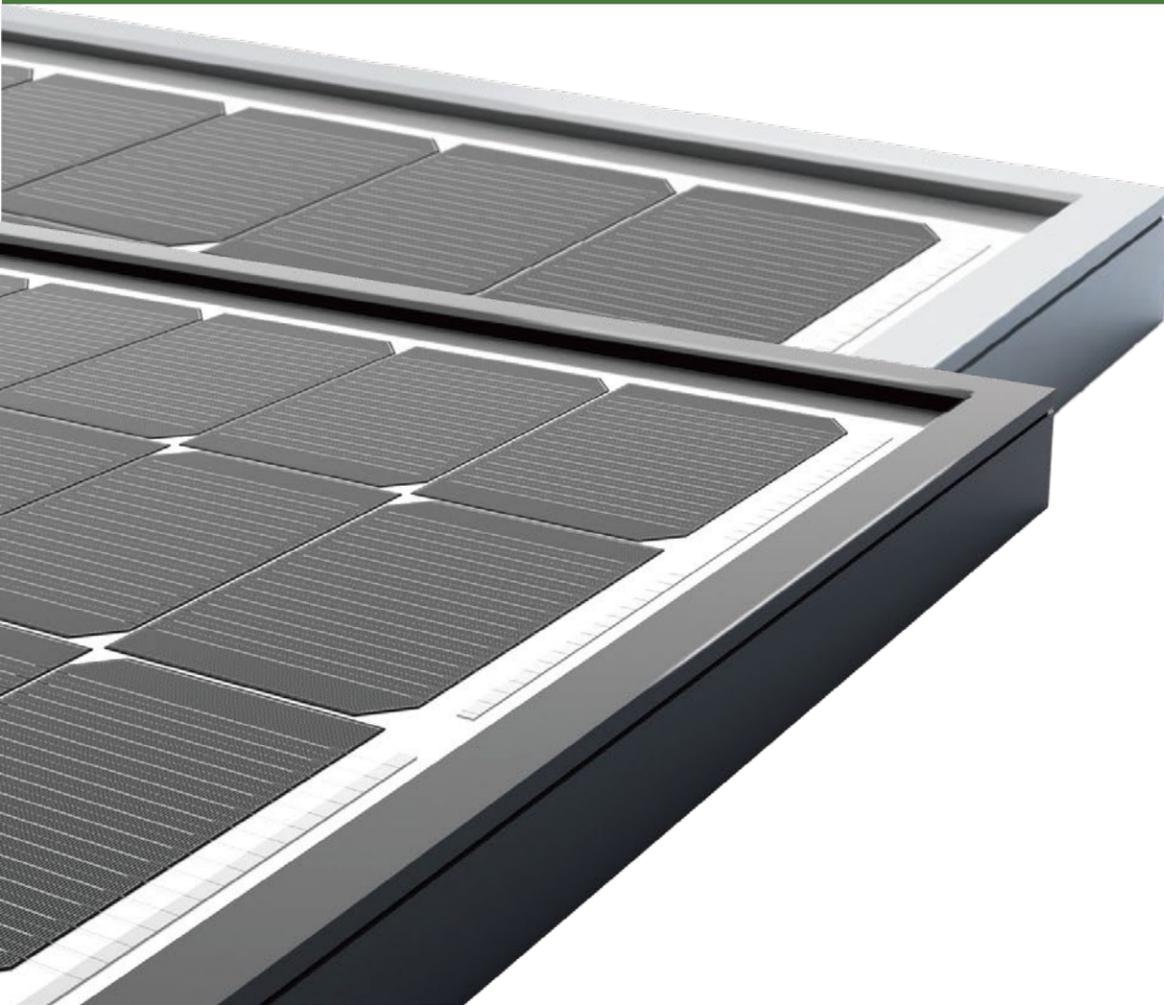


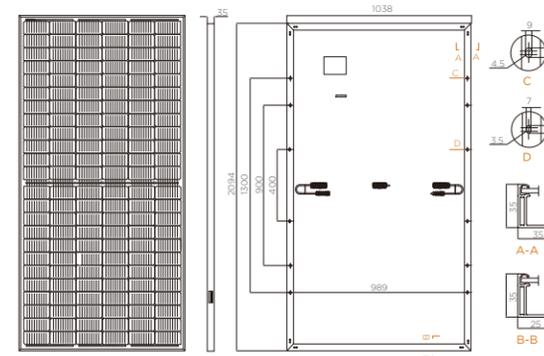


445~470W

High Efficiency Low LID Mono PERC with MBB & Half-cut Technology



Design (mm)



*Units: mm *Tolerance: ±2mm

Cell Orientation	144 (6x24)
Junction Box	IP68, three diodes
Output Cable	4mm ² , 300mm in length, length can be customized
Glass	Single glass 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight:	23.5kg
Dimension	2094x1038x35mm
Packaging	30pcs per pallet 150pcs per 20' GP 660pcs per 40' HC

Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~+5W
Voc & Isc Tolerance	±3%
Max. System Voltage	DC1500V(IEC/UL)
Max. Series Fuse Rating	20A
NOCT	45±2°C
Safety Class	II
Fire Rating	UL type 1 or 2
Max. Static Load(Front)	5400Pa
Max. Static Load(Back)	2400Pa

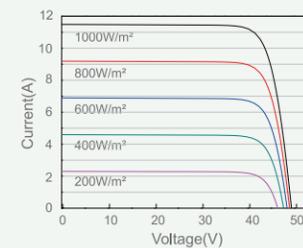
Electrical Characteristics

Model Number	SAS445M-144H		SAS450M-144H		SAS455M-144H		SAS460M-144H		SAS465M-144H		SAS470M-144H	
	STC	NOCT										
Maximum Power (Pmax/W)	445	336	450	340	455	344	460	348	465	352	470	355
Open Circuit Voltage (Voc/V)	49.56	46.65	49.70	46.90	49.85	47.15	50.01	47.38	50.15	47.61	50.31	47.84
Short Circuit Current (Isc/A)	11.32	9.20	11.36	9.25	11.41	9.29	11.45	9.33	11.49	9.38	11.53	9.42
Voltage at Maximum Power (Vmp/V)	41.21	38.95	41.52	39.19	41.82	39.44	42.13	39.68	42.43	38.90	42.69	40.10
Current at Maximum Power (Imp/A)	10.80	8.64	10.84	8.68	10.88	8.72	10.92	8.76	10.96	8.81	11.01	8.86
Module Efficiency(%)	20.0		20.3		20.5		20.7		20.9		21.2	
Temperature Coefficient of Isc												+0.044%/°C
Temperature Coefficient of Voc												-0.272%/°C
Temperature Coefficient of Pmax												-0.350%/°C

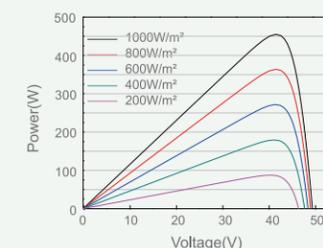
* STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25°C, Spectra at AM1.5
 * NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s
 *Test uncertainty for Pmax: ±3%

I-V Curve

Current-Voltage Curve(SAS455M-144H)



Power-Voltage Curve(SAS455M-144H)



Current-Voltage Curve(SAS455M-144H)

