

VSM530~555-M10



ELECTRICAL PARAMETERS AT STC

MODEL NUMBER	VSM530	VSM535	VSM540	VSM545	VSM550	VSM555
Maximum Power (Pmax/w)	530	535	540	545	550	555
Open Circuit Voltage (Voc/V)	49.30	49.45	49.60	49.75	49.9	50.02
Short Circuit Current (Isc/A)	13.72	13.79	13.86	13.93	14.00	14.07
Voltage at maximum Power (Vmp/V)	41.31	41.47	41.64	41.80	41.96	42.11
Current at Maximum Power (Imp/A)	12.83	12.90	12.97	13.04	13.11	13.18
Module Efficiency (%)	20.50	20.70	20.90	21.10	21.30	21.50

STC(Standard Testing Conditions):Irradiance 1000W/m² ,Cell Temperature25°C ,Spectra at AM1.5

ELECTRICAL PARAMETERS AT NOCT

MODEL NUMBER	VSM530	VSM535	VSM540	VSM545	VSM550	VSM555
Maximum Power (Pmax/w)	401	405	408	412	416	420
Open Circuit Voltage (Voc/V)	46.18	46.31	46.43	46.55	46.68	46.85
Short Circuit Current (Isc/A)	11.01	11.05	11.09	11.13	11.17	11.21
Voltage at maximum Power (Vmp/V)	38.75	38.78	38.99	39.20	39.43	39.66
Current at Maximum Power (Imp/A)	10.39	10.43	10.47	10.51	10.55	10.59

NOCT(Normal Operating Cell Temperature):Irradiance800W/m² ,Ambient Temperature20°C ,Wind speed 1m/s

TEMPERATURE COEFFICIENT(STC TESTING)

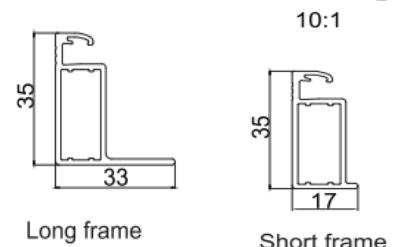
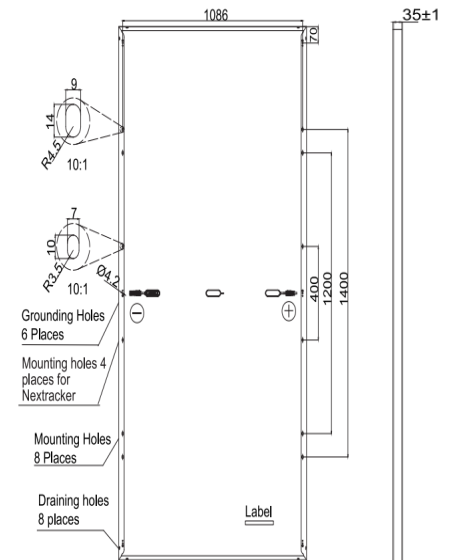
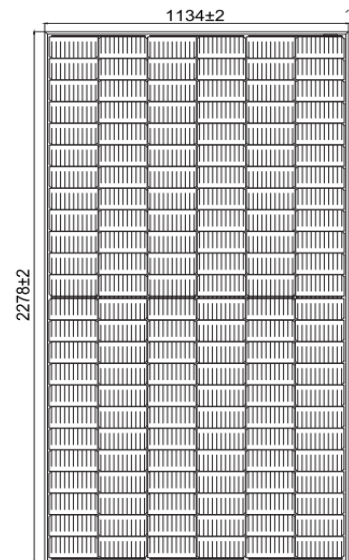
Temperature coefficient of Isc	+0.045%
Temperature coefficient of Voc	-0.275%
Temperature coefficient of Pmax	-0.350%

MECHANICAL PARAMETERS

Cell:	144(6X24) MONO
Junction Box:	IP68,3diodes
Output Cable:	4mm ² (IEC),12 AWG(UL) ,300mm in length
Glass:	Single glass,3.2mm coated tempered glass
Frame:	Anodized aluminum alloy frame
Weight:	28.1kg±3%
Dimension:	2278±2mm×1134±2mm×35±1mm
Packaging details:	30PCS Per pallet

OPERATING PARAMETERS

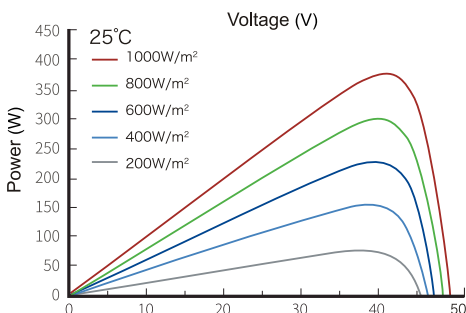
Operating temperature	-40°C~85°C
Front side static loading	5400Pa
Back side static loading	2400Pa
Maximum System Voltage	DC1500V/1000V
Maximum Series Fuse	25A
Normal Operating Cell Temperature	45±2°C
Safety Class	Class II
Fire Rating	UL type1



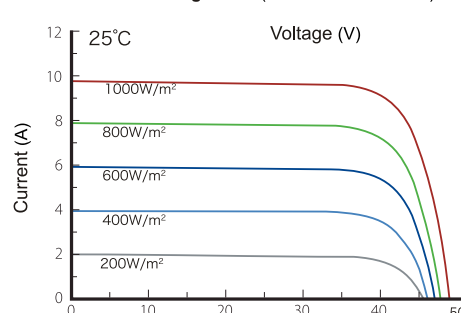
Units: mm

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Power-Voltage Cure (VSMH-144-425-M6)



Current-Voltage Cure (VSMH-144-425-M6)



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