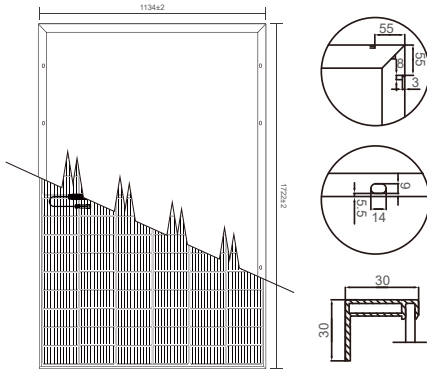


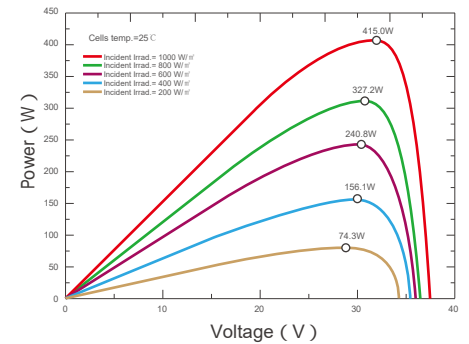
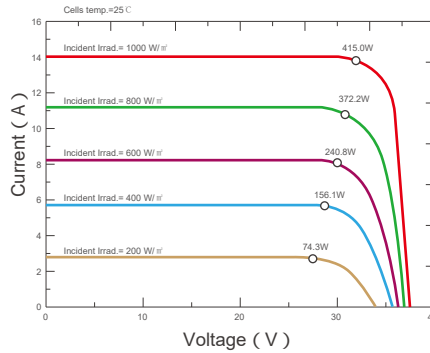
Dimension Drawing



All Dimensions in mm
The above drawing is a graphical representation of the product.
For engineering quality drawings please contact Runtech.

I-V Graph

Current-Voltage & Power-Voltage Curves (RT420WM)



Electrical Characteristics (STC)

Module Type	RT390WM	RT395WM	RT400WM	RT405WM	RT410WM	RT415WM	RT420WM
	STC	STC	STC	STC	STC	STC	STC
Maximum Power- Pmax(W)	390±3%	395±3%	400±3%	405±3%	410±3%	415±3%	420±3%
Open Circuit Voltage - Voc(V)	36.85±3%	36.98±3%	37.07±3%	37.23±3%	37.32±3%	37.45±3%	37.56±3%
Short- Circuit Current - Isc(A)	13.61±3%	13.70±3%	13.79±3%	13.87±3%	13.95±3%	14.02±3%	14.09±3%
Voltage at Pmax -Vmp(V)	30.64	30.84	31.01	31.21	31.45	31.61	31.77
Current at Pmax - Imp(A)	12.73	12.81	12.90	12.98	13.04	13.13	13.22
Module Efficiency -ηm(%)	20.0	20.2	20.5	20.8	21.0	21.3	21.6
Power Tolerance(W)	(0, +5W)						
Maximum System Voltage(V)	1500Vdc						
Maximum Series Fuse Rating (A)	25A						

STC : Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

Mechanical Specifications

External Dimensions, Weight	1722x1134x30mm, 20.5kg
Solar Cells	Mono crystalline 182mm (2x54pcs)
Front Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm ² , 30cm (+), 30cm (-), length can be customized
Connector	TL-CABLE01S(Tonglin)
Fire safety	Class C
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Packing Configuration

	1722x1134x30mm	
Container	20'GP	40'HQ
Pieces per Pallet	36	36
Pallets per Container	6	26
Pieces per Container	216	936

Temperature Characteristics

Pmax Temperature Coefficient	-0.350%/°C
Voc Temperature Coefficient	-0.275%/°C
Isc Temperature Coefficient	+0.045%/°C
Operating Temperature	-40 ~ +85°C
Nominal Operating Cell Temperature(NOCT)	45±2°C