

Product Specification (60 Multi 156×156mm Cells, with ReHen J-box, 1000V System Voltage)	Product Name	Solar Photovoltaic Module
	Document Name	Spec. of TSM-***PC05-Yousolar
	Document Number	PS-M-0019
	Version Number	B

Typical Electrical Characteristics

Typical Type	Unit	TSM-205PC05	TSM-210PC05	TSM-215PC05	TSM-220PC05	TSM-225PC05	TSM-230PC05	TSM-235PC05	TSM-240PC05
Max-Power	Pm(W)	205	210	215	220	225	230	235	240
Power Tolerance	%	±3	±3	±3	±3	±3	±3	±3	±3
Max-Power Voltage	Vm(V)	29,0	29,2	29,5	29,8	29,9	30,0	30,3	30,6
Max-Power Current	Im(A)	7,07	7,19	7,29	7,39	7,53	7,66	7,76	7,84
Open-Circuit Voltage	Voc(V)	36,2	36,4	36,6	36,8	36,9	37,0	37,2	37,5
Short-Circuit Current	Isc(A)	7,81	7,86	7,94	8,00	8,10	8,18	8,25	8,38
Max-System Voltage	(VDC)	1000							
Encapsulated Cell Efficiency	$\eta_c(\%)$	14,0	14,4	14,7	15,1	15,4	15,8	16,1	16,4
Module Efficiency	$\eta_m(\%)$	12,5	12,8	13,1	13,4	13,7	14,1	14,4	14,7
Number, Type and Arrangement of Cells		60pcs, Multicrystalline Silicon (6×10)							
Cell Size	mm	156×156							
Cable Type, Diameter		4mm ² (12AWG), TÜV Certified							
Type of Connector		MC4							
No. of Bypass Diodes		6pcs(2 in parallel).							
Max. Series Fuse	A	14							
Pm Temperature Coefficient	%/°C	- 0.45							
Voc Temperature Coefficient	%/°C	- 0.35							
Isc Temperature Coefficient	%/°C	0.05							
NOCT-Nominal Operating Cell	°C	47± 2							
Test Condition		STC:AM=1.5, 1000W/m ² , Cells Temperature 25°C							
Operating Temperature	°C	-40 to +85							
Certifications		IEC 61215, IEC 61730, CE							

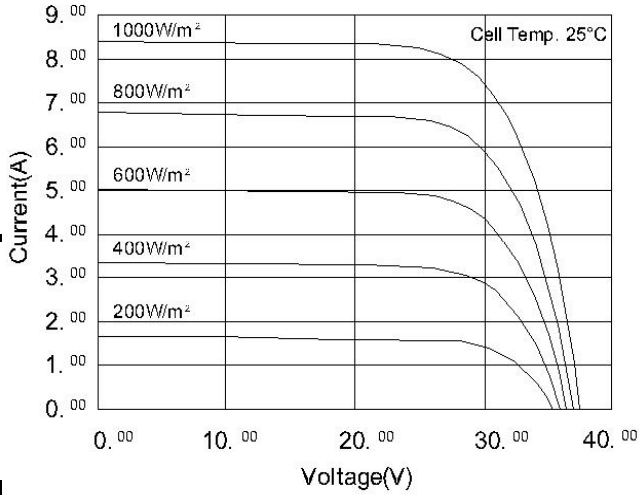
Mechanical Characteristics

Dimension A×B×C	mm	1650×992×46
Installation Holes Dimension(mm) E×F	mm	990×941
Cable Length G	mm	1000
Dimension of the Hole(mm)	mm	Φ9×12
Weight	Kg	19,5
No. of Draining Holes in Frame		8
Front Glass, Type and Thickness		High Transmittance, Low Iron, Tempered Glass, 3.2mm
Packing Configuration		2in1
Quantity/Pallet		36 pcs/pallet
Loading Capacity		504 pcs/40ft

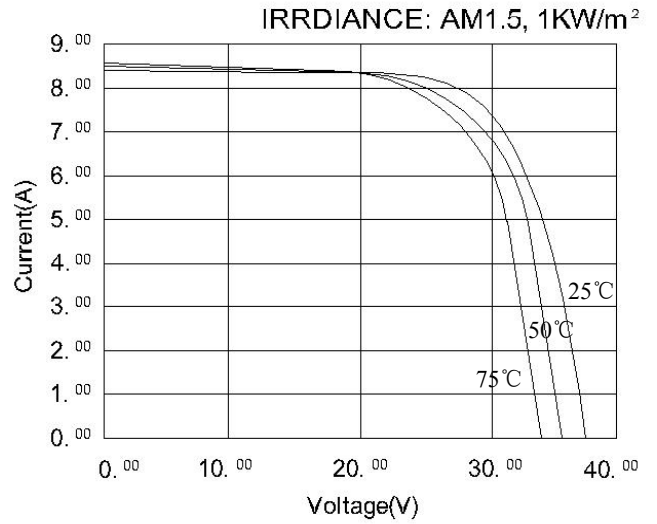
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I-V Curves

I-V Curves Of PV Module TSM-230PC05



Temperture I-V Curves Of TSM-230PC05 at various cell temperture



Dimensions

