

MECHANICAL SPECIFICATION		MECHANICAL DRAWINGS
Cell Type	Poly crystalline 156x156mm(6 inches)	
Number of cells	72(6x12)	
Dimensions(AxBxC)	1956 x992 x50mm	
Weights	23kg	
Front Glass	3.2 mm Low iron tempered glass	
Frame	Anodized aluminum	
Junction Box	IP 65, with bypass diodes	
Connector	Mc4 compatible	
Output Cables	TÜV, length 900mm, 4.0mm ²	

ELECTRICAL CHARACTERISTICS

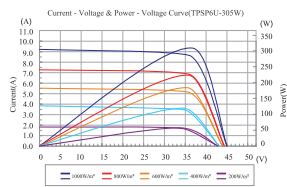
PERFORMANCE AT STANDARD TEST CONDITION(STC:1000W/m², 25°C,AM1.5)

Module Series	TPSP6U-Topray Universal
Maximum Power at STC(Pmax)	305W
Short Circuit Current(Isc)	8.56A
Open Circuit Voltage(Voc)	45.20V
Maximum Power Current(Imp)	8.42A
Maximum Power Voltage(Vmpp)	36.20V
Encapsulated Cell Efficiency	16.84%
Module Efficiency	15.20%
Power Tolerance	0/+5%

The typical relative change in module efficiency at an irradiance of 200W/m² in relation to 1000W/m² (both at 25°C and AM 1.5 spectrum) is less than 6%

TEMPERATURE CHARACTERISTICS

Nominal Operating Cel Temperature(NOCT)	47±3°C	PACKING CONFIGURATION		
Temperature Coefficient of Pmax(γ)	-0. 44%/K	Container	20'GP	40'HQ
Temperature Coefficient of Voc(β)	-0. 36%/K	Pieces per pallet	20	20(U)/28(T)
Temperature Coefficient of Isc(α)	0. 05%/K	Pallets per container	6	24
		Pieces per container	120	480



SYSTEM INTEGRATION PARAMETERS

Maximum system voltage	DC 1000V
Maximum Series Fuse	16A
Maximum reverse current	21.5A
Increased snowload acc. to IEC 61215	5400Pa
Operating Temperature	-40~+85°C
Number of bypass diodes	6