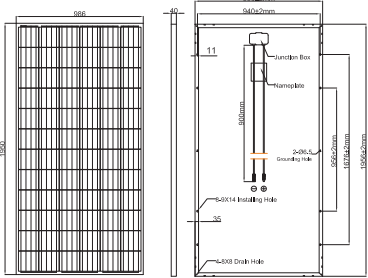


OnGrid Crystalline-Standard

TPS-P6U(72)



MECHANICAL SPECIFICATION		MECHANICAL DRAWINGS
Cell Type	Poly crystalline 156(156.75)x156(156.75) mm	
Number of cells	72(6x12)	
Dimensions(AxBxC)	1956x990x40mm	
Weights	20.5kg	
Front Glass	3.2 mm Low iron tempered glass	
Frame	Anodized aluminum	
Junction Box	IP 67, with bypass diodes	
Connector	MC4 compatible	
Output Cables	TÜV, length 900mm, 4.0mm²	

ELECTRICAL CHARACTERISTICS

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

Module Series	TPS-P6U(72)-340W
Maximum Power at STC(Pmax)	340W
Short Circuit Current(Isc)	9.4A
Open Circuit Voltage(Voc)	46.2V
Maximum Power Current(Imp)	9.1A
Maximum Power Voltage(Vmpp)	37.4V
Encapsulated Cell Efficiency	19.41%
Module Efficiency	17.56%
Power Tolerance	0/±3%

PERFORMANCE AT NORMAL OPERATING CELL TEMPERATURE
(NOTE: Irradiance = 800 W/m2, Air Temperature = 20°C, Wind Velocity = 1 m/s)

Maximum Power(Pmax)	246.43W
Short Circuit Current(Isc)	7.67A
Open Circuit Voltage(Voc)	42.69V
Maximum Power Current(Imp)	7.13A
Maximum Power Voltage(Vmpp)	34.56V

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		PACKING CONFIGURATION			
Nominal Operating Cel Temperature(NOCT)	44±2° C	Container	20'GP	40'GP	40'HQ
Temperature Coefficient of Pmax(γ)	-0. 4%/K	Pieces per container	270	648	696
Temperature Coefficient of Voc(β)	-0. 37%/K	SYSTEM INTEGRATION PARAMETERS			
Temperature Coefficient of Isc(α)	0. 05%/K	Maximum system voltage			DC 1000V/1500V

Maximum Series Fuse	15A
Maximum reverse current	21.5A
Increased snowload acc. to IEC 61215	5400Pa
Operating Temperature	-40~+85° C
Number of bypass diodes	3

