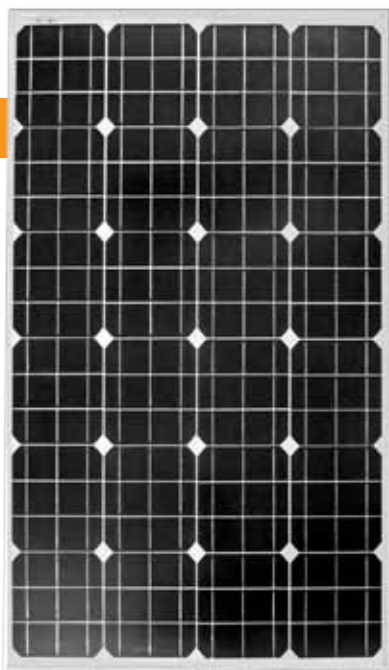




TPS105S 100W MONO

ELECTRICAL CHARACTERISTICS

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

Module Series	TPS105S-100W-MONO
Maximum Power(P _{max})	100W(±5%)
Short Circuit Current(I _{sc})	6.02A
Open Circuit Voltage(V _{oc})	21.20V
Maximum Power Current(I _{mpp})	5.62A
Maximum Power Voltage(V _{mpp})	17.8V
Module Efficiency	14.97%
Cell Efficiency	17.80%
Power Tolerance	0/+3%

MECHANICAL SPECIFICATION

Cell Type	Mono crystalline 156×156mm (6 inches)
Number of cells	72
Dimensions (A×B×C)	1006×664×35mm
Weights	7.3kg
Front Glass	3.2 mm Low iron tempered glass
Frame	aluminum
Connector	O ring connector
Output Cables	TÜV , length 1.0m,1.5m ²

SYSTEM INTEGRATION PARAMETERS

Maximum system voltage	1000V
Maximum Series Fuse	10A
Maximum reverse current	13.5A
Increased snowload acc. to IEC 61215	5400Pa
Operating Temperature	-40~+85°C
Number of bypass diodes	3

TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	47±3°C
Temperature Coefficient of P _{max}	-0.48%/K
Temperature Coefficient of V _{oc} (β)	-0.34%/K
Temperature Coefficient of I _{sc}	0.05%/K

 Topray Solar delivers the most robust module design with impenetrable glass-glass packaging.

 No frame,no back sheet.Use only2.5mm thermally tempered glass as front and back protection casing.

 Leading production technology provide you with Double Glazed PV Module limited thickness to 5.55mm.

 Special design for junction box make it possible to installation frame as general PV module.

 Outstanding weak light performance during morning and afternoon hours guaranteed by Topray's anti-reflective online coating technology.

 Certified by TÜV to withstand high level of wind loads (2400Pa) and snow loads(5400Pa)*.

QUALIFICATIONS AND CERTIFICATES

CE-Compliant, IEC 61215 (Ed.2), IEC 61730 (Ed.1) application classA ,TÜV Safety Class II,UL 1703

