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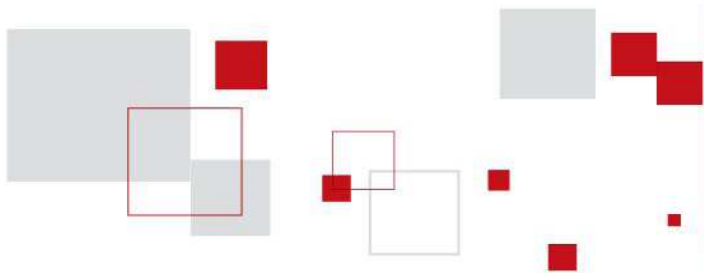
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Solar Panel Guide Specification Data Sheet

**Shenzhen Tuoyang New Energy Technology Co.,
Ltd.**

**110W.120W.130W MONO
TYSM130**

Also available on the web at
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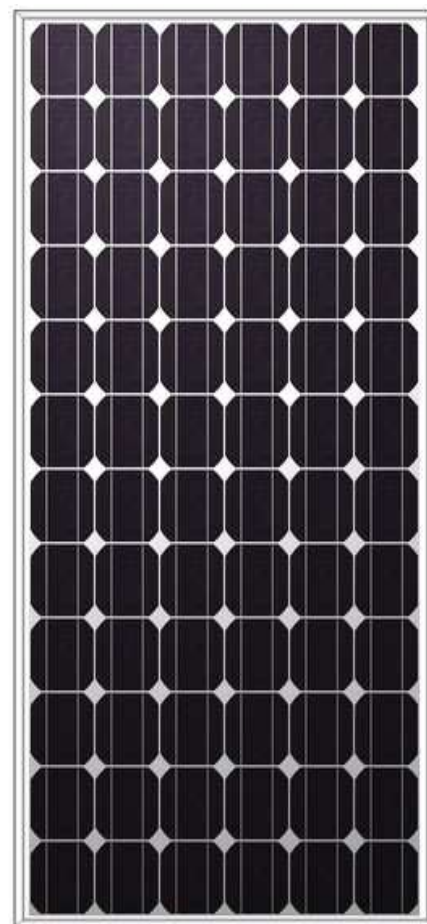
SPECIFICATION OF 110W.120W.130W MONO SOLAR MODULE

Mono-Crystalline

Module type	Pm(W)	Number of cell	Cell Dimension (mm)	Max System Voltage(V)	Vm(V)	Im(A)	Voc(V)	Isc(A)
TYSM110	110W	72	125	1000	33.5	3.29	41.5	3.8
TYSM120	120W	72	125	1000	33.5	3.35	41.5	4.26
TYSM130	130W	72	125	1000	33.8	3.85	41.5	4.43

Parameter

Maximum system voltage (V)	1000
Temperature coefficients of Isc (%)	+0.1%/°C
Temperature coefficients of Voc (%)	-0.38%/°C
Temperature coefficients of Pm (%)	-0.47%/°C
Temperature coefficients of Im (%)	+0.1%/°C
Temperature coefficients of Vm (%)	-0.38%/°C
Temperature Range	-40°C ---85°C
Tolerance Wattage (e.g. +/-5%)	± 5%
Surface Maximum Load Capacity	60m/s (200kg/sq.m)
Junction Box Type	PPO, black
Connectors and Cables Type	4mm ²
Length of Cables (mm)	900
Cell Efficiency (%)	>16%
Output tolerance (%)	± 5%
Frame (Material, Corners, etc.)	Anodized Aluminum Alloy
Standard Test Conditions	AM1.5 100MW/cm ² 25°C
Guarantee of power	5 years for whole products,90% power for 10years, 80% power for 25years.
FF (%)	≥73.3%



Physical Characters

Output	Module Net Weight	Module Size (MM)	Packing	20' Container	40' Container
110W	11.8(kg)	1250*808*35	2pcs/carton	288 pcs	672 pcs
120W	11.8(kg)	1250*808*35	2pcs/carton	288 pcs	672 pcs
130W	11.8(kg)	1250*808*35	2pcs/carton	288 pcs	672 pcs



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