

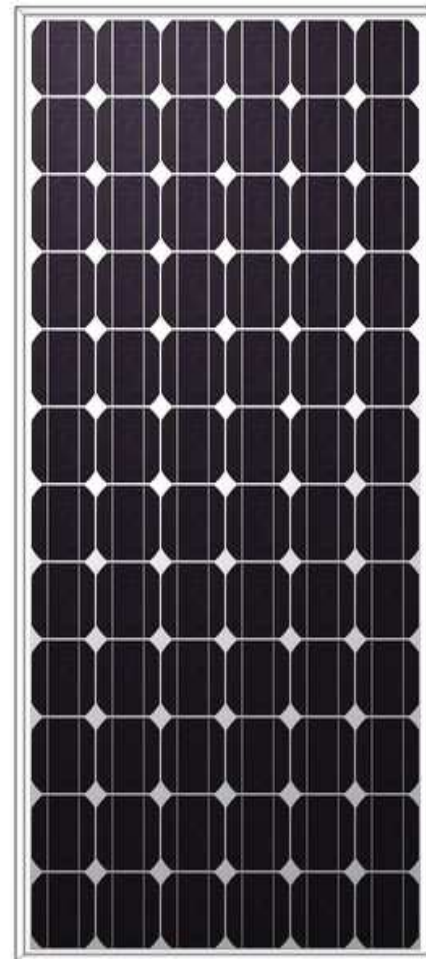
## SPECIFICATION OF 190W MONO SOLAR MODULE

### Mono-Crystalline

Module type	Pm(W)	Number of cell	Cell Dimension (mm)	Max System Voltage(V)	Vm(V)	Im(A)	Voc(V)	Isc(A)
TYSM190	190W	72	125	1000	36.73	5.28	45.3	5.7

### 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	4mm2
Length of Cables (mm)	900
Cell Efficiency (%)	>18%
Output tolerance (%)	± 5%
Frame (Material, Corners, etc.)	Anodized Aluminum Alloy
Standard Test Conditions	AM1.5 100MW/cm² 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
190W	16.5(kg)	1580*808*35	2pcs/carton	288 pcs	672 pcs



深圳市拓阳新能源科技有限公司

SHENZHEN TUOYANG NEW ENERGY CO.,LTD

Tel: +86-755-2305 5561 Mobile : +86-13717084860

www.sztuoyang.com

Email:szsyty@163.com