

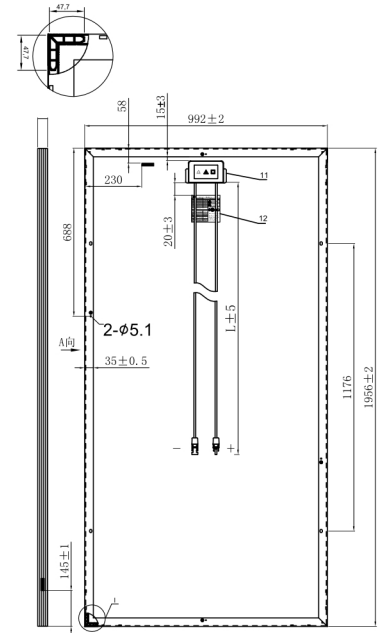
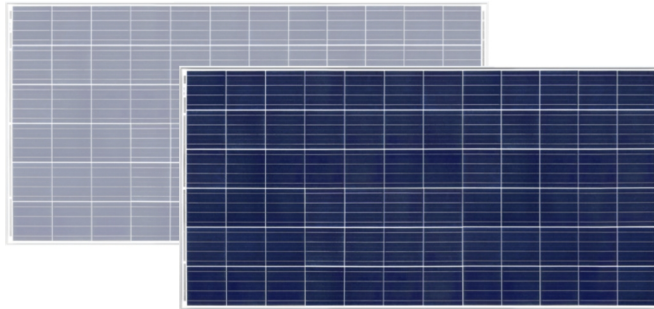


安徽泰德光伏股份有限公司 Anhui Titan PV Co., Ltd

Photovoltaic Modules 光伏组件

TSM315P-B-72

由72片尺寸为156*156毫米多晶硅四栅电池片组成
72pcs 156*156mm poly-crystalline silicon 4BB cell



72片156*156毫米多晶硅四栅电池片组成的光伏组件
Photovoltaic Modules 72pcs 156*156mm poly-crystalline silicon 4BB cells

TSM315P-B-72 组件是由72片156*156mm的高效多晶硅四栅电池片组成，并且由钢化玻璃，EVA和TPT经过层压，在高温、真空的条件下层压成一块组件。最后通过电性能和绝缘耐久安全等一系列严格的测试之后变成产品。与阳极氧化铝合金框架，电缆，接线盒和TL-CABLE01连接器组装后，泰德太阳能组件可以轻松的安装和长期保持工作性能。同时，他们可以承受暴雨，强风，和冰雹的影响等。

The TSM315P-B-72 series modules consist of 72pcs 156*156mm poly-crystalline high efficient silicon 4BB cells, which are individually characterized and electronically matched before interconnection and laminated with toughened glass, EVA and TPT of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with TL-CABLE01 connectors, Titan solar modules can be installed easily and work for a long period. At the same time, they can withstand the storm, strong wind and hail impact, etc.

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Module组件 TSM315P-B-72

Encapsulation封装	Glass/EVA/Cell/EVA/TPT 玻璃/EVA/电池片/EVA/背板		
Size and Number of cells电池片尺寸和数量	156mm*156mm 72/12*6pcs 156毫米*156毫米 72/12*6pcs		
Pmax最大功率(W)	315	310	305
Cell Efficiency电池效率(%)	18.30	18.00	17.80
Module Efficiency组件效率(%)	16.20	16.00	15.70
Tolerance公差	+3%		
Voc开路电压(V)	45.1	44.9	44.7
Isc短路电流(A)	9.02	8.96	8.89
Vmp最大功率电压(V)	36.8	36.5	36.2
Imp最大功率电流(A)	8.56	8.50	8.43
Max. Syst. Open Voltage最大系统开路电压(V)	1000		
Diodes二极管	3by-pass		
Dimension尺寸(mm)	1956×992×40		
Weight重量(kg)	22		
MAX Over Current Protecng Rating最大过电流保护率(A)	15		
Operate Temp Scope操作温度范围C	-40~+85		
Relative humidity相对湿度%	0~95%		
Frame Thickness边框厚度	Quantity数量/Container集装箱		
40mm	160pcs/20GP	616pcs/40HQ	

Temperature coefficients温度系数

NOCT电池额定工作温度	45°C ±2°C
Short-circuit temperature coefficient短路电流温度系数	α (Ist) 0.067%/°C
Open-circuit Voltage temperature coefficient开路电压温度系数	β (Voc) -0.33%/°C
Peak power temperature coefficient峰值功率温度系数	γ (Pmax) -0.42%/°C
NOCT: Mominal Operating Cell Temperature data is only for reference 电池工作温度数据仅供参考	

Output输出量

Cable线缆4.0mm Length长度1000mm Connector连接头TL-CABLE01 Type (型)

