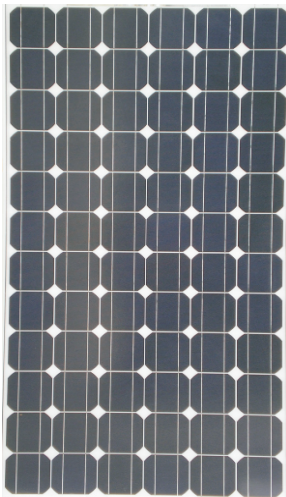




## Solar Module TITAN S5-72



High Efficiency Solar Modules suitable for On Grid / Off- Grid applications

### Strengths

- Positive power tolerance (-0 Wp / + 4.99 Wp)
- High Efficiency Mono Crystalline Cell
- Certified for performance as per IEC 61215 : 2005 by TUV Germany
- Certified for safety as per IEC 61730-2 by TUV Germany
- Certified for Mechanical Loads up to 5400 Pascal that withstand heavy accumulation of snow and ice

**Product Guarantee :** 5 years

**Limited Power Warranty :** 90% of 12 Years  
80% of 25 Years

### Certifications



### Typical Electrical Characteristics

Type	TITAN S5-72			
Max-Power	Pmp (W)	170	175	180
Power Tolerance	(W)	-0 / + 4.99		
Max-Power Voltage	Vmp(V)	31.09	36.50	36.84
Max-Power Current	Imp (A)	4.71	4.79	4.89
Open Circuit Voltage	Voc (V)	44.57	44.86	45.07
Short Circuit Current	Isc (A)	5.11	5.20	5.59
Max-System Voltage (Europe / USA)	VDC	1000 / 600		
Number, type and arrangement of cells	72, Mono-Crystalline, 6 x 12 Matrix			
Cell Size	5" x 5" / 125 x 125 mm			
No. of By-pass Diodes	4			
Max. Series Fuse	(A)	12		
Pm Temperature Co-efficient	(%/C)	-0.41		
Isc Temperature Co-efficient	(%/C)	0.07		
Voc Temperature Co-efficient	(%/C)	-0.313		
NOCT – Nominal Operating Cell Temp	(°C)	45		

### Mechanical Characteristics

Cable Type	Tyco / Lapp Kable		
Type of connector	Tyco / MC4		
Dimension	mm	804 x 1614 x 42	
Weight	Kgs	16	
No. of Draining Holes in Frame	8		
Glass Type and Thickness	3.2 mm Thick, Low iron, Tempered		

### Packing Configuration

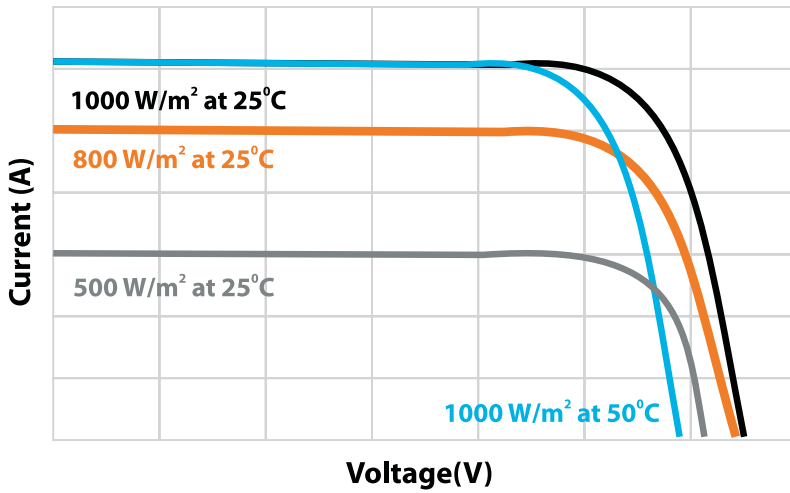
Packing Configuration	23 Modules in each pallet		
1 * 20'	138 Modules		
1 * 40Ft STD	598 Modules		

### Absolute Ratings

Operating Temperature	(°C)	-40 ~ +85	
Storage Temperature	(°C)	-40 ~ +85	

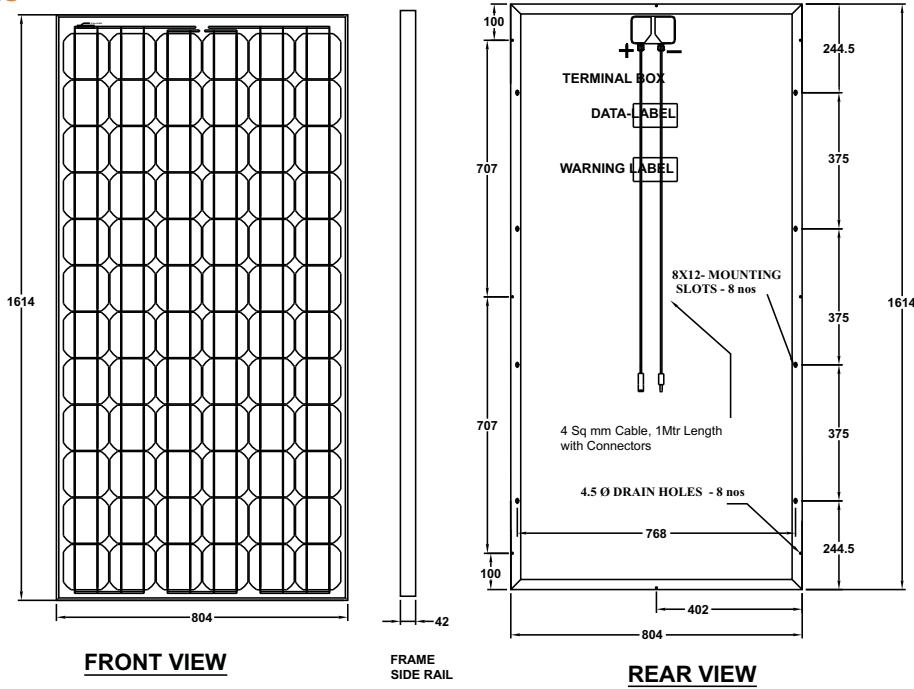
# Solar Module TITAN S5-72

## I-V Curves



Current/voltage dependence on irradiance and module temperature.  
This is only indicative showing effect of temperature and intensity on power

## Dimensions



**Corporate Office (India)**  
**TITAN Energy Systems Ltd,**  
 16, Aruna Enclave, Trimulgherry,  
 Secunderabad – 500 015, INDIA  
 Phone: +91 (0)40 27791085, 27790751  
 Fax: +91 (0)40 27795629  
 Email: info@titan-energy.com

**Sales Office (Europe) :**  
**TITAN Energy Systems Ltd,**  
 Basel, 4052  
 Switzerland  
 Phone: +41-6150-0052-9  
 Email: info.eu@titan-energy.com

**Sales Office (USA) :**  
**TITAN Energy Systems Ltd,**  
 1118 Fermont Avenue  
 Los Altos, California , USA  
 Phone: +1-650-714-1989  
 Email: info.us@titan-energy.com