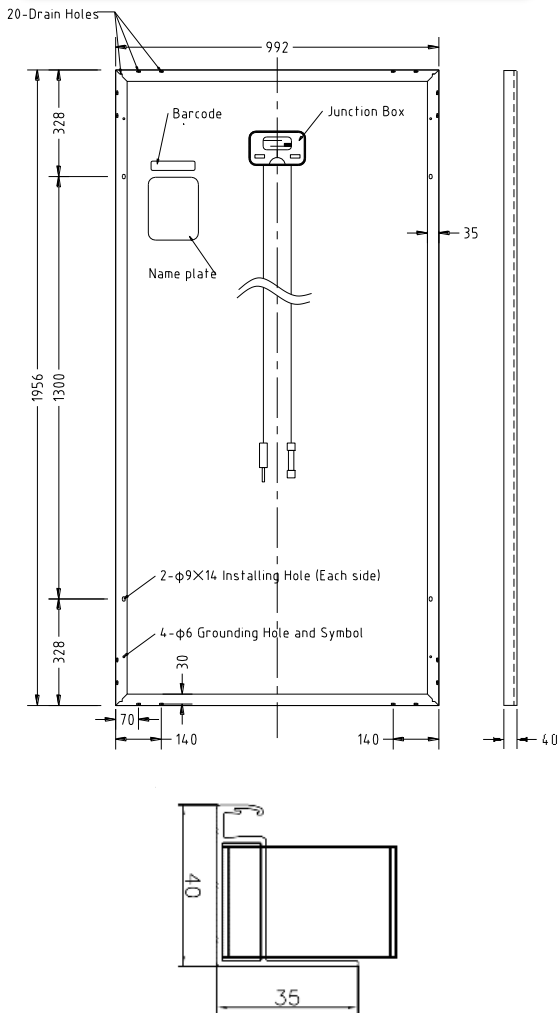




## DIMENSIONS OF PV MODULES (mm)

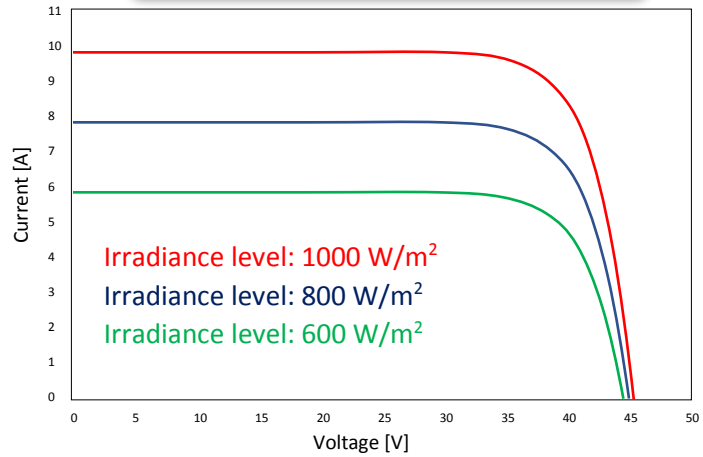


**Warning:** Read the Installation and User Manual in its entirety before handling, installing, and operating TABAN Solar modules.

Partner Section:



## I-V CURVES OF PV MODULES (375 W)



## SPECIFICATIONS

<b>Solar Cells</b>	PERC monocrystalline 156.75 × 156.75 mm (6.17 inches)
<b>Cell Orientation</b>	72 cells (6 × 12)
<b>Module Dimensions</b>	1956 × 992 × 40 mm (77.0 × 39.1 × 1.57 inches)
<b>Weight</b>	22 kg (48.5 lb.)
<b>Glass</b>	3.2 mm (0.13 inches), High Transmission, AR Coated Tempered Glass
<b>Backsheet</b>	White
<b>Frame</b>	Silver Anodized Aluminum Alloy
<b>Junction Box</b>	IP68, 3 Bypass Diodes
<b>Cables</b>	Photovoltaic Technology Cable 4.0 mm <sup>2</sup> , 1100 mm (43.3 inches)
<b>Connector</b>	MC4
<b>Per Pallet</b>	26 pieces, 635 kg (1400 lbs)
<b>Per container (40' HQ)</b>	624 pieces

## ELECTRICAL PARAMETERS AT STC

Module type	TBM72-365M	TBM72-370M	TBM72-375M
<b>Maximum Power (<math>P_{max}</math>) [W]</b>	365	370	375
<b>Maximum Power Voltage (<math>V_{mp}</math>) [V]</b>	39.39	39.59	39.79
<b>Maximum Power Current (<math>I_{mp}</math>) [A]</b>	9.27	9.35	9.43
<b>Open-circuit Voltage (<math>V_{oc}</math>)** [V]</b>	47.90	48.04	48.18
<b>Short-circuit Current (<math>I_{sc}</math>)* [A]</b>	9.75	9.83	9.91
<b>Module Efficiency STC [%]</b>	18.81	19.06	19.32
<b>Operating Temperature (<math>\eta</math>) [°C]</b>		-40~+85	
<b>Maximum System Voltage [VDC]</b>		1500	
<b>Maximum Series Fuse Rating [A]</b>		15	

STC: Standard Test Condition; Irradiance 1000 W/m<sup>2</sup>, Cell Temperature (25±2) °C, AM1.5 acc. to IEC 60904-3  
 \* Maximum measurement uncertainty: ±5% \*\* Maximum measurement uncertainty: ±3%

## ELECTRICAL PARAMETERS AT NMOT

Module type	TBM72-365M	TBM72-370M	TBM72-375M
<b>Maximum Power (<math>P_{max}</math>) [W]</b>	274	278	282
<b>Maximum Power Voltage (<math>V_{mp}</math>) [V]</b>	36.73	36.97	37.16
<b>Maximum Power Current (<math>I_{mp}</math>) [A]</b>	7.46	7.52	7.59
<b>Open-circuit Voltage (<math>V_{oc}</math>) [V]</b>	44.54	44.67	44.81
<b>Short-circuit Current (<math>I_{sc}</math>) [A]</b>	7.99	8.06	8.13

Under Nominal Module Operating Temperature, Irradiance 800 W/m<sup>2</sup>, Ambient Temperature 20 °C, AM 1.5, Wind Speed 1 m/s

## TEMPERATURE COEFFICIENT

<b>Temperature Coefficient of <math>P_{max}</math> [%/°C]</b>	-0.390
<b>Temperature Coefficient of <math>V_{oc}</math> [%/°C]</b>	-0.300
<b>Temperature Coefficient of <math>I_{sc}</math> [%/°C]</b>	0.060
<b>Nominal Module Operating Temperature [°C]</b>	40.2 ± 2