



## SOLAR PHOTOVOLTAIC MODULES

### Aditi's Photovoltaic Modules

- ★ High efficiency, Mono or Multi crystalline solar cells with high transmission and textured glass delivering a module series efficiency of up to 14.3%, minimizing installation costs and maximizing the kWh output of your system per unit area.
- ★ High quality, low iron, high transmissivity, tempered and toughened glass to ensure high light absorption.
- ★ Tin Copper interconnect increases Solderability and Conductivity. This also results in maximum output efficiency from the Module.
- ★ Premium quality encapsulation material ensuring high quality lamination leading to better performance.
- ★ Polyester tedlar used as a back sheet prevents from moisture and mechanical damage.
- ★ Weather resistant frame - seal helps preventing water seepage and protects the system from humidity.
- ★ Anodized Aluminum frame gives the system strong, corrosion-free structural support.
- ★ Produced in an ISO 9001:2008 & 14001:2004 certified production facilities.
- ★ Certifications: IEC 61215, IEC 61730-1&2, IEC 61701.
- ★ Warranty,
  - a) 90% of the rated power is guaranteed for a period of 10 years.
  - b) 80% of the rated power is guaranteed for a period of 25 years.



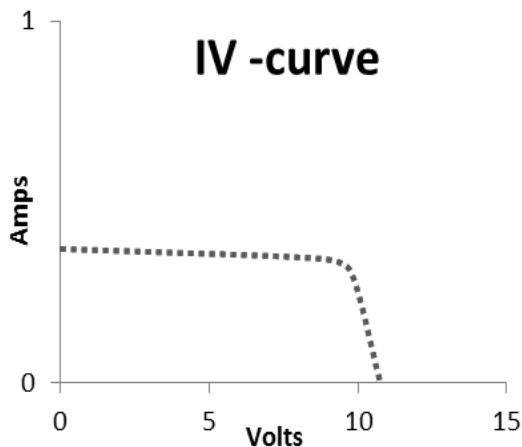
#### Model No: ADT 0603

#### Electrical Specifications:

Product Description	<b>6V - 3WP</b>
Rated POWER $P_{max}$ - [W]	<b>3.00</b>
Rated Voltage $V_{max}$ - [V]	<b>8.75</b>
Rated Current $I_{max}$ - [A]	<b>0.34</b>
Open Circuit Voltage $V_{oc}$ - [V]	<b>10.75</b>
Short Circuit Current $I_{sc}$ - [A]	<b>0.37</b>
Module Efficiency $\eta$ - [%]	<b>8.30</b>
Tolerance	<b>± 3%</b>

Standard Test Conditions: Irradiance 1000 W/ m<sup>2</sup> , Module temperature 25°C, Spectrum AM 1.5

#### Module IV-Curve:



#### Temperature Coefficients

<b>Voltage <math>V_{oc}</math></b>	: <b>-0.33%/K</b>
<b>Current <math>I_{sc}</math></b>	: <b>+0.06%/K</b>
<b>Power <math>P_{max}</math></b>	: <b>-0.40%/K</b>

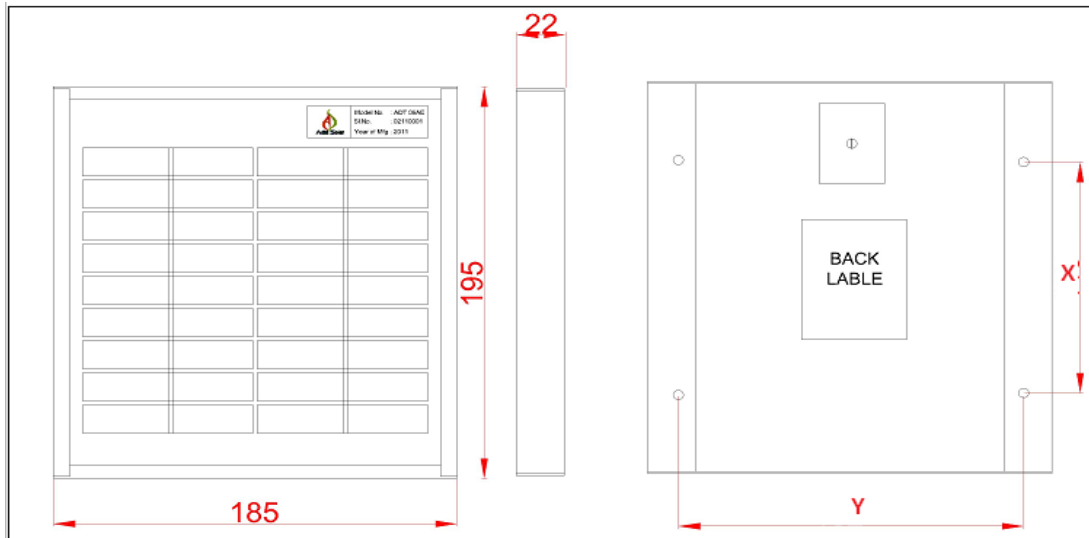
<b>Maximum system voltage</b>	: <b>1000 V DC</b>
<b>Operating Module Temperature NOCT</b>	: <b>-40°C to +85°C</b> <b>47°C ± 2°C</b>

#### Certifications



**ISO 9001 : 2008 & ISO 14001 : 2004**

## Module Drawing & Mounting details:



## Mechanical Specifications:

Length [mm]	195 ± 2
Width [mm]	185 ± 2
Thickness [mm]	22
X [mm]	115 ± 2
Y [mm]	162 ± 2
Mounting hole	5 mm dia
Earth hole	NA
Aprox. weight [Kg]	0.50
No. of cells	18

## Other Characteristics:

Cell type	Mono / Multi Crystalline
Front Glass	Toughened Textured Glass
Glass thickness	3.2 mm
Cell Encapsulation	EVA (Ethylene Vinyl Acetate)
Back sheet	Poly vinyl Fluoride
Frame	Anodized, Extruded Aluminum frame
Junction Box	Nylon / ABS moulded 2 rail junction box

**Due to continuous upgradation of products, specifications mentioned are subject to change without prior notice.**



Plot No: 17, ALEAP Indust. Estate, Gajula Ramaram, Qutbullapur (M), R.R.Dist., HYDERABAD  
 500090, ANDHRA PRADESH – INDIA TEL:+91-40-2004 0285 MOB: +91-8978854777 / 555  
 WEBSITE: [www.aditisolar.in](http://www.aditisolar.in), EMAIL: [marketing@aditisolar.in](mailto:marketing@aditisolar.in), [spvprojects@aditisolar.in](mailto:spvprojects@aditisolar.in)