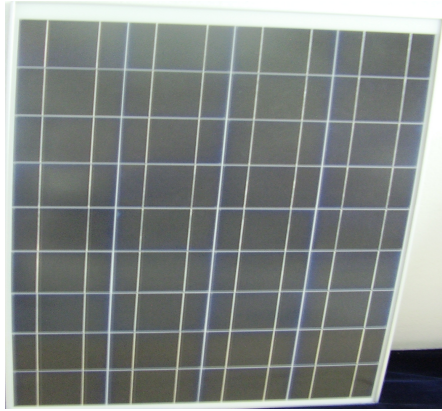




# Photon PM055

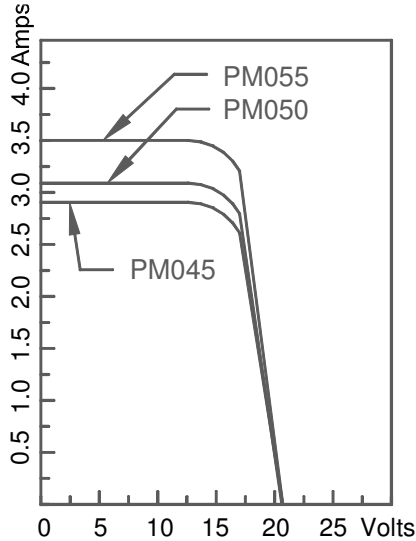
Photovoltaic Module Family  
Model: PM045 / PM050v/ PM055



The module picture above is only indicative and may not depict the actual module

Model	PM045	PM050	PM055
<b>Electrical parameters</b>			
<b>Nominal Power – Pmax (Watts)</b>	<b>45</b>	<b>50</b>	<b>55</b>
Voltage at Maximum Power – Vmp (Volts)	17.7	17.7	17.7
Current at Maximum Power – Imp (Amps)	2.5	2.8	3.1
Open Circuit Voltage – Voc (Volts)	21.6	21.6	21.6
Short Circuit Current – Isc (Amps)	2.9	3.2	3.5
Maximum System Voltage	1000 VDC		
Temperature Coefficient - Voc	-0.074 V / °C		
Temperature Coefficient - Isc	+2.80 mA / °C		
Solar Cells per Module - Units	36		
Parent Solar Cell Size - mm	156 Sq. Multi Crystalline		
<b>Mechanical Details</b>			
Dimensions – L x W x T mm	610 x 655 x 34		
Weight – Kgs	4.7		
Mounting Holes Pitch (Y) – mm	300		
Mounting Holes Pitch (X) – mm	611		
Area – Sq. Mtrs	0.40		

## IV-Characteristics



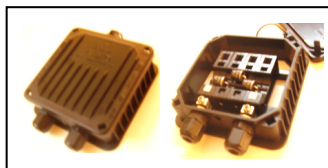
- Measurement Tolerance on Electrical Parameters  $\pm 5\%$ .
- All specified parameters are at STC 25°C cell, 100mW / cm<sup>2</sup> irradiance and AM 1.5.
- Specifications subject to change without prior notice due to product up gradations.

**Certifications:** IEC 61215 / IEC 61730-1 / IEC 61730-2 & TUV Safety Class II

## Mounting Details

All dimensions in mm and tolerances  $\pm 2$ mm

## Junction Box – JB5



97 x 94 x 29 mm  
Four Terminals  
Two 10A Diodes

