

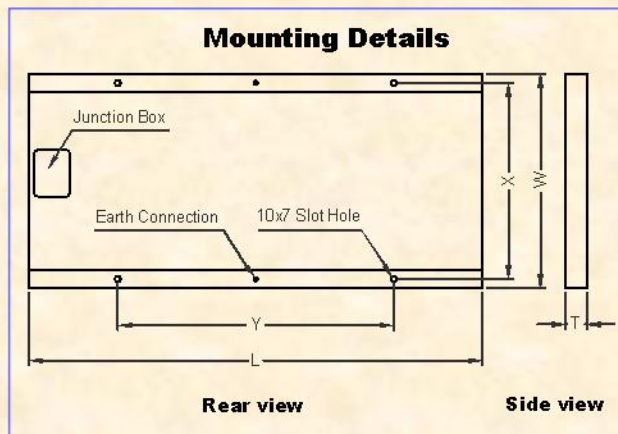
BRIEF TECHNICAL SPECIFICATIONS OF PHOTON SOLAR PV MODULES - SMALL



Electrical Characteristics (@STC of 1000W/m ² , 25°C, AM1.5)	PM003	PM005	PM008	PM010	PM015	PM020	PM025	PM030
Nominal Voltage in Volts	6	6/12	12	12	12	12	12	12
Open Circuit Voltage (V _{oc}) in Volts	10	10 / 20	20	20	20	20	20	20
Short Circuit Current (I _{sc}) in Amps	0.42	0.7 / 0.35	0.55	0.70	1.05	1.36	1.75	2.00
Maximum Power (P _m) in Watts	3	5	8	10	15	20	25	30
Voltage at Maximum Power (V _{mp}) in Volts	8.2	8.2 / 16.5	16.5	16.5	16.5	16.5	16.5	16.5
Current at Maximum Power (I _{mp}) in Amps	0.36	0.6 / 0.31	0.49	0.61	0.91	1.22	1.52	1.83
Solar Cells per Module (Units)	18	18 / 36	36	36	36	36	36	36
Physical Parameters (see drawing below)								
Length x Width x Thickness— (L x W x T) mm	280 x 155 x 22	300 x 185 x 22	360 x 340 x 22 / 290 x 340 x 22	340 x 280 x 22 / 280 x 340 x 22	395 x 340 x 22 / 385 x 340 x 22	340 x 535 x 22/ 500 x 340 x 22	535 x 475 x 22 / 475 x 535 x 22	385 x 655 x 34 / 535 x 655 x 34 / 655 x 535 x 34
Weight—Kg	0.5	0.7	1.5 / 1.2	1.15 / 1.15	1.55 / 1.5	2.5 / 2.0	3.35 / 3.35	3.5 / 4.5 / 4.5
Mounting Holes Pitch (Y) - mm	200	200	200 / 200	200 / 200	200 / 200	200 / 200	200 / 200	200 / 200 / 200
Mounting Holes Pitch (X) - mm	131	161	316 / 316	256 / 316	316 / 316	491 / 316	451 / 511	611 / 611 / 491
Area—Sq. M	0.04	0.06	0.122 / 0.099	0.095 / 0.095	0.134 / 0.131	0.18 / 0.17	0.25 / 0.25	0.25 / 0.35 / 0.35
Junction Box Options (see table below)	JB1	JB1	JB2	JB2	JB2	JB2	JB2	JB3

Notes:
 ¶ Measurement Tolerance on Electrical Parameters ± 5%. ¶ The Standard range of modules is supplied without blocking diodes. However, blocking diodes can be provided on specific customer request, at extra cost. ¶ Due to constant product modifications, Photon reserves the right to amend the above specifications without prior notice.

OTHER CHARACTERISTICS	
Type of Cell	Mono / Multi Crystalline Silicon
Front Face	Tempered Glass (Low Iron)
Encapsulate	Ethylene Vinyl Acetate
Frame	Anodized Aluminum
Junction Box	Weather proof Nylon 6
Warranty	Up to 10 years limited extended warranty



Junction Box

<p>Junction Box – JB1</p>  <p>40 x 30 x 8 mm Two Terminals</p>	<p>Junction Box – JB2</p>  <p>50 x 40 x 10 mm Two Terminals</p>	<p>Junction Box – JB3</p>  <p>78 x 105 x 26 mm Four Terminals</p>
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