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Solar Panel Guide

Specification Data Sheet

Learn more at energypal.com/best-solar-panels-for-homes

MECHANICAL CHARACTERISTICS

Cell Type	156x156 mm (6") or 156,75*156,75mm (6.17")
Number of Cells	60 (6x10)
Dimensions	998x1662x35 mm (39,29" x 65,43" x 1,37")
Weight	(18,5 +/-1) kg (40,8 lb)
Glass	3,2 mm thickness, High transmission, Tempered Glass, AR Coating
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Protection Class
Output Cables	Length 1000mm / 1200 mm, MC4 compatible

ELECTRICAL CHARACTERISTICS

	A-MO280	A-MO285	A-MO290	A-MO295	A-MO300	A-MO305	A-MO310
Maximum Power (Pmax)	280	285	290	296	300	305	310
Maximum Power Voltage (Vmp)	32,15	32,60	32,72	33,01	33,26	33,68	33,93
Maximum Power Current (Imp)	8,71	8,85	8,87	8,96	9,03	9,09	9,15
Open Circuit Voltage (Voc)	37,33	37,96	38,08	38,55	38,85	39,26	39,56
Short Circuit Current (Isc)	9,22	9,35	9,37	9,45	9,52	9,58	9,65
Module Efficiency	18,32%	18,65%	18,98%	19,35%	19,64%	19,96%	20,28%
Operating Temperature (°C)	-40(°C) ~ +85 (°C)						
Maximum System Voltage	1000 VDC (IEC)						
Maximum Series Fuse Rating	15A						
Power Tolerance	0 ~ +5W						
Temperature Coefficient of Pmax	-0,39% (°C)						
Temperature Coefficient of Voc	-0,31% (°C)						
Temperature Coefficient of Isc	0,04% (°C)						

Under standart test conditions (STC): irradiance 1000W/ m2 ,A.M 1,5, cell temperature 25 °C

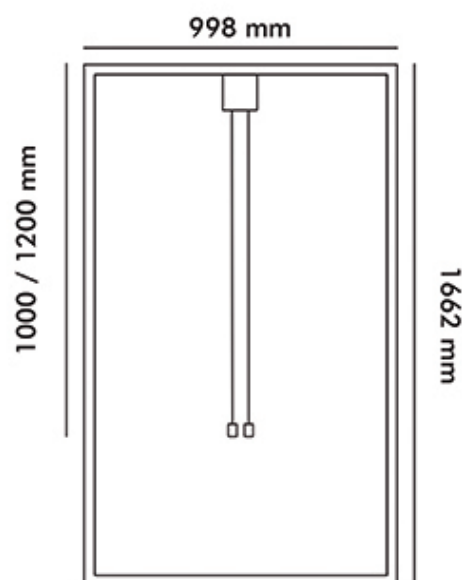
PACKAGING

30 pcs/pallet

550 kg/pallet

900 pcs/ 40HQ Container

DRAWING



CERTIFICATIONS



IEC 61215-1,-2

IEC 62804-1

IEC 61701

IEC 61730-1,-2

IEC 62716