



PHOTOVOLTAIC SYSTEMS

SAVING-HEALTH-NATUR&SUN
ECOLOGICAL, SAFE.



Performance under Standard Test Conditions (1000W/m², AM 1.5 @ 25°Celsius)

	ERDM QM6-135/12	ERDM QM6-200/G	ERDM QM6-225/G	ERDM QM6-270G
Peak Power (P _{max} , W/p)	135	200	225	270
Power Tolerance (%)	+/- 3%	+/- 3%	+/- 3%	+/- 3%
Max Power Voltage (V _{mp})	17.9	26.4	29.6	35.4
Max Power Current (I _{mp})	7.54	7.56	7.60	7.63
Open Circuit Voltage (V _{oc})	22.2	32.8	36.7	44.0
Short Circuit Current (I _{sc})	8.26	8.30	8.32	8.34
Other Wattages Available	125, 130, 140, 145	190, 195, 205, 210	215, 220, 230, 235	260, 265, 275, 280

Note: Tolerance for other electrical parameters is ± 10%

Physical Parameters

Number of Cells	36	54	60	72
Module Dimension (mm)	670 x 1480	990 x 1480	990 x 1640	990 x 1960
Module Thickness	50	50	50	50
App. Weight (Kgs)	14	20	23	27

Operation Conditions

Ambient Temperature (°C)	-40 to +90
Maximum System Voltage (V _{dc})	1000
Hail (25mm Ø) Impact Velocity (M/sec)	23

Cell Temperatur Coefficients

Open Circuit Voltage	-0.35% / °C
Short Circuit Current	-0.05% / °C
Nominal Power	-0.46% / °C

Components

Solar Cells	Q CELLS Mono crystalline Silicon, GERMANY
Glass	AGC, SOLITE 2000, 4mm tempered, USA
Back Sheet	DUNMORE, DUNSOLAR 1200 TPT, USA
EVA (ethylene-vinyl acetate)	URETHANE PV-135D/7012PP, USA
Junction Box & Connectors	EPIC SOLAR, IP 65, GERMANY
Cables	LAPP Kabel, AWG 12, 4mm ² , GERMANY
Ribbons & Busbars	CREATIV, ARGENTINA
Anodized Aluminum Frame	ALUMINIO TEXCOCO, MEXICO

Qm6