

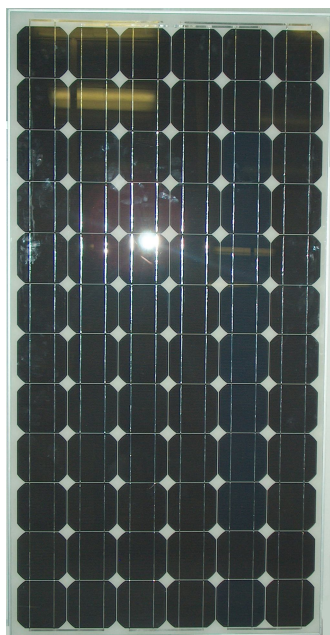


PRODUCT CERTIFICATE KV150/12(24)-M

Product
Format

Single crystalline silicon terrestrial solar module
72 pseudosquare 125x125 mm cells

Kvazar JSC



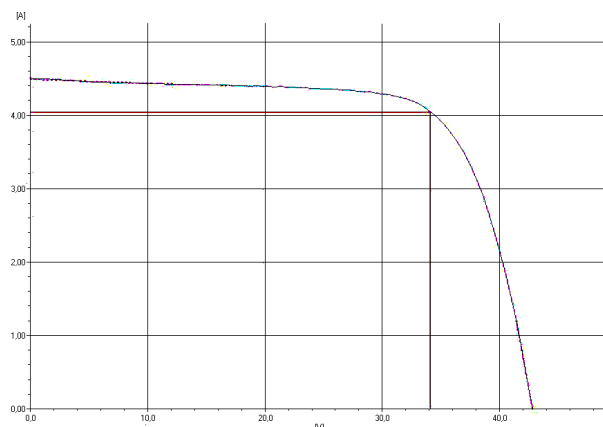
MARCA COMERCIAL: KVAZAR-MULTICANAL

Electrical Characteristics

		KV150/12(24)-M
Maximum power Pmax, Wp		150
Current of short circuit Isc, A		9,30 (4,65)
Voltage of open circuit Voc, V		22,0 (44,0)
Current at maximum power Impp, A		8,50 (4,25)
Voltage at maximum power Vmpp, V		17,7 (35,4)
Temperature coefficients	α , % / °C	0,25
	β , % / °C	-0,32
	γ , % / °C	-0,48
Operation temperatures		from -40 to +80 °C
Nominal voltage		12(24) V
Maximum system voltage		1000 V
Tolerance of parameters		± 1,5%

All data at standard test conditions: Irradiance = 1000 W/m²
Air mass = AM 1,5
T = 25 oC

I-V Curves



Technical Characteristics

Module dimensions	1585x805x34 ±2mm
Module square, m ²	1,275
Type of cell	crystalline silicon
Cell dimensions	pseudosquare 125x125 mm
Number of cells	72
Glass thickness, mm	4
Weight, kg	15



CLASS II



IEC 61215*

*Certification is in the process

Power warranty 10 years 90 %, 25 years 80 %

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