

Solar Module PQ 36/53 D

Electrical Data

The electrical Data apply to standard test conditions (STC).

Irradiance at the module level of $1,000 \text{ W/m}^2$ with spectrum AM 1.5 and a cell temperature of $25 \text{ }^\circ\text{C}$.

Nominal Power	53	Wp^*
Voltage at Maximum-Power Point	17,9	V^*
Current at Maximum-Power Point	2,95	A^*
Open-Circuit Voltage	21,5	V^*
Short-Circuit Current	3,15	A^*
Max. System Voltage	750	V_{DC}

Electrical Protection Class II

*Rated power in accordance to ISPRA standard 1997, the rated power may vary by $\pm 10 \%$

Conditions

Temperature	$-50 \text{ }^\circ\text{C}$ to $+90 \text{ }^\circ\text{C}^*$
Oxidation	resistant against sea water
Max. load	up to 800 Pa at 130 km/h wind speed
	Safety Factor 3

*Limit values for short time exposition

The module PQ 36 D with chemically hardened glass at the front and rear side is qualified by the Joint Research Centre ISPRA of the EG-Commission in accordance to the test specifications 503 for solar generators.

Junction boxes to be mounted at the top

Mechanical Data

Solar Cells	multi-crystalline Silicon
	EFG-Cells $10 \text{ cm} \times 10 \text{ cm}$
Encapsulation	Glass / EVA / Glass
	Front glas 3 mm hardened Glass
	Cer doped
	EVA rear side foil (Ethyl-Vinyl-Acetat)
	Rear side glass 2 mm chemical hardened
Weight	7.8 kg

Dimensions

