

Solar AMORPHOUS PANELS



TECHNICAL DATA

PSS ASI - F 10/12

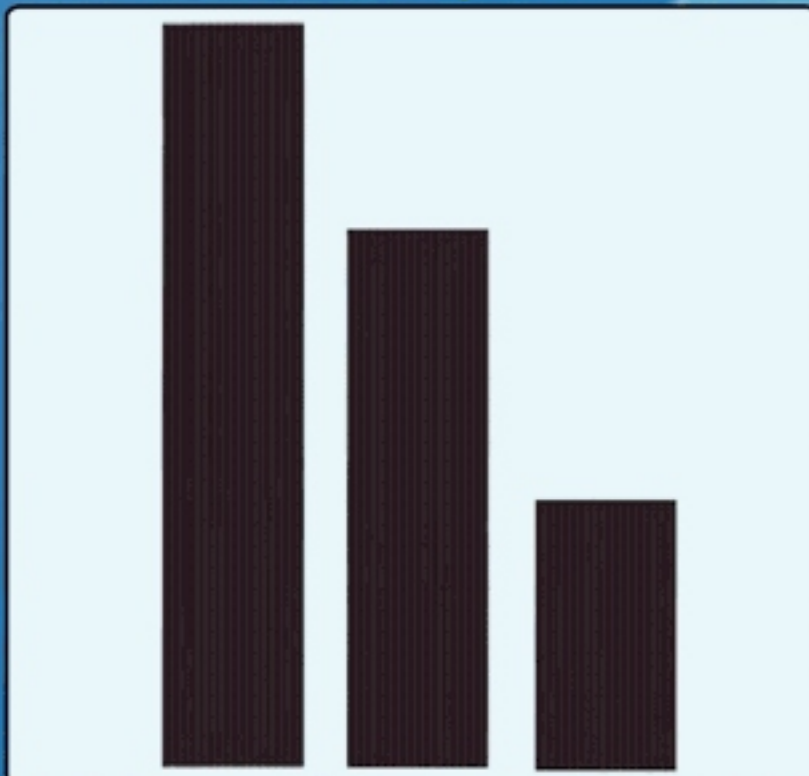


The Quoted figures are subject to a production tolerance of $\pm 10\%$

These data represent stabilized electrical modules performance at standard test conditions (STC - 1000 W/m², spectrum AM 1.5, 25°C cell temperature). The nominal power may be initially approx. 18% higher than the Quoted stabilized power data.

Available as an accessory : Safety Class II connection kit consisting of two screw connections with lock nut for junction box and two solar cables, 1 m for each polarity, assembled with plug-in connectors and ring cable plugs for terminal connection.

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Electrical Data

Initial Nominal Power [Wp]	=	39.3
Nominal Power P _{nom} [Wp]*	=	32.2
Voltage at nominal power U _{mpp} [V]*	=	16.8
Current at nominal power I _{mpp} [A]*	=	1.92
Short-circuit current I _{sc} [A]*	=	2.50
Open-circuit voltage U _{oc} [V]	=	22.8
Max. DC system voltage [V]	=	600
Weight [kg]	=	6.2

Temperature Coefficients

Temperature coefficients [% / K]	P _n : -0.2 ; U _{oc} : -0.33 ; I _{sc} : 0.08
	The temperature dependence of the nominal power rating is especially low

Limits

Permissible module temperature [°C]	-40 °C to +85 °C
Typical operation temperature [°C]	approx. 20 °C to 25 °C above ambient temperature

Specifications are subjected to change without notice.

Qualifications

Qualification	IEC 61646 certified*
	CE conformity
	Safety class II (with optional connection kit)

*Condition apply

Electrical Data

	ASI-F 2/12	ASI-F 4/12	ASI-F 5/12	ASI-F 8/12	ASI-F 10/12
Initial Nominal Power [Wp]	2.6	4.7	6.3	9.5	12.5
Nominal Power P _{nom} [Wp]*	2.1	3.9	5.2	7.8	10.3
Voltage at nominal power U _{mpp} [V]*	16.8	16.8	16.8	16.8	16.8
Current at nominal power I _{mpp} [mA]*	125	232	309	464	613
Short-circuit current I _{sc} [mA]*	165	293	398	602	808
Open-circuit voltage V _{oc} [V]	22.8	22.8	22.8	22.8	22.8

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