

SPA 260A, Ex nAC II T5, Solar Panel



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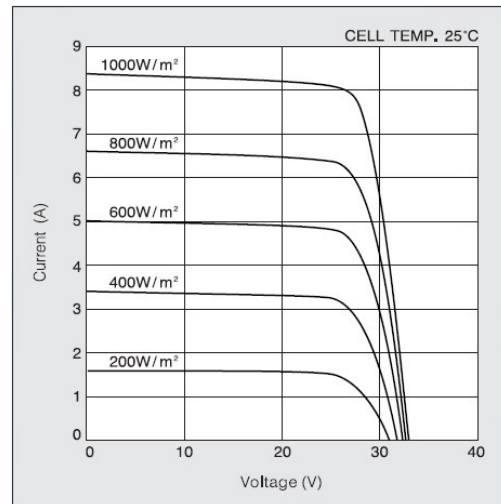
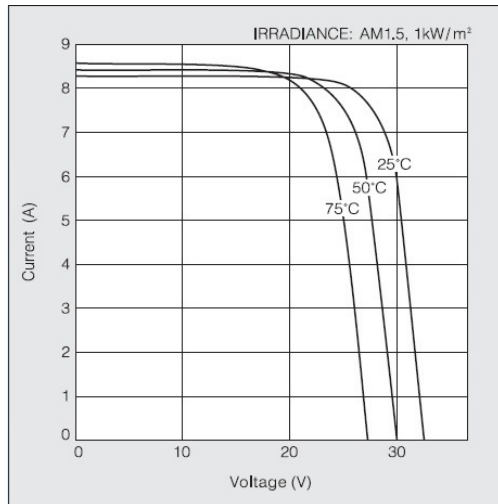


The SPA 260A photo voltaic Solar Panel is an ATEX Ex nAC certified product for Zone 2 gas hazardous area applications. The cells of the panel are encapsulated between a tempered glass cover and EVA pottant to provide maximum protection in the most extreme environmental conditions.

Typical applications for this new energy and cost saving concept are to monitor remote pipelines and unmanned offshore oil & gas installations where the location and the proximity of a hazardous area, deem conventional power sources and manpower to be less economical.

Complimented by other JCE Group products like hazardous area batteries and EExd control enclosures, the SPA 260A can be supplied as part of a complete control and monitoring system. Combined with a compatible inverter housed in our Ex nA enclosures, it is suitable for AC applications.

Electrical Characteristics



Materials and Finish

Aluminium mounting frame.
Terminal enclosure made of GRP
with 2 Exe ATEX M20 glands.

Earthing

All panels are supplied with 6mm stainless steel earth studs.

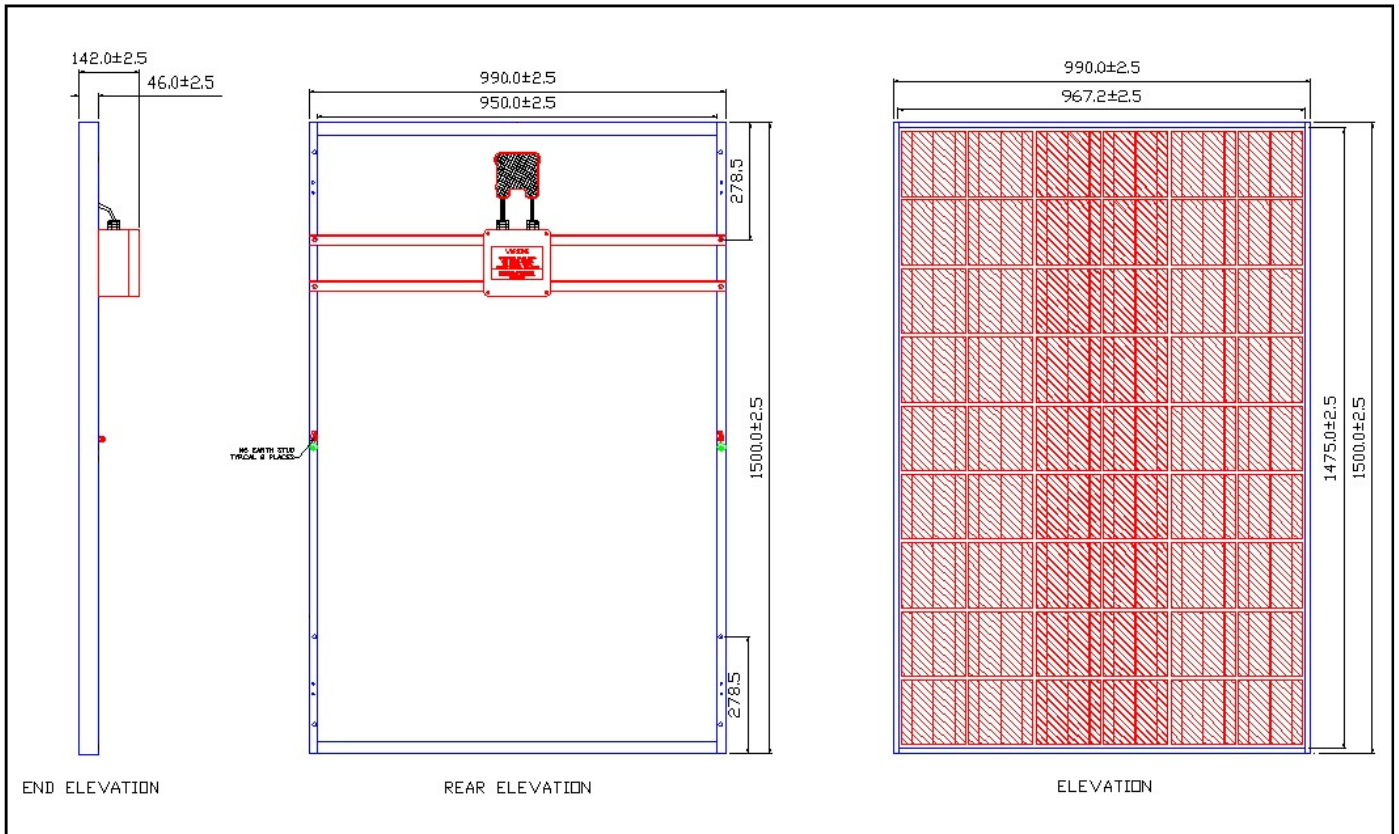
Protection Grade

The terminal enclosure provides Ingress protection to IP66.

Certification

ATEX Group II Category 3 Gas

Dimensions



Technical Data

ELECTRICAL PERFORMANCE

At 1000 W/m²(STC)*

Maximum Power	[W]	210
Maximum System Voltage	[V]	600
Maximum Power Voltage	[V]	26.6
Maximum Power Current	[A]	7.90
Open Circuit Voltage (Voc)	[V]	33.2
Short Circuit Current (Isc)	[A]	8.58

At 800 W/m²(NOCT)**

Maximum Power	[W]	149
Maximum Power Voltage	[V]	23.6
Maximum Power Current	[A]	6.32
Open Circuit Voltage (Voc)	[V]	30.0
Short Circuit Current (Isc)	[A]	6.62

Temperature Coefficient of Voc [V/°C] -1.20 x 10⁻¹

Temperature Coefficient of Isc [A/°C] 5.15 x 10⁻³

DIMENSIONS

Length	[mm]	1500(+/-2.5)
Width	[mm]	990(+/-2.5)
Depth/ incl. Junction Box	[mm]	142
Weight	[kg]	20

IP Code IP65

CELLS

Number per Module 54

JCE (Europe) Ltd., East Way, Lee Mill Industrial Estate, Ivybridge, Devon, PL21 9LL, England Tel. +44 (0) 1752 690530 Fax +44 (0) 1752 690531 E-Mail:info.euro@jcegroup.com

JCE (Aberdeen) Ltd., Blackburn Business Park, Aberdeen, AB21 0PS Tel. +44 (0) 1224 798600 Fax +44 (0) 1224 798601 E-Mail:info.abdn@jcegroup.com

JCE (Asia Pacific) Pte Ltd., Loyang Offshore Supply Base, Loyang Crescent Singapore 1750 Tel. +65 5450171 Fax +65 5450168 E-Mail:info.asia@jcegroup.com

* Electrical values under standard test conditions(STC): irradiation of 1000 W/m², airmass AM 1.5 and all temperature of 25 °C

** Nominal Operating Cell Temperature : 47.9°C

