

Ex SOLAR PANEL



- 90W Ex and 180W Ex panel options
- Ideally suited for harsh environments
- Classification and protection II2G Exe mb II T4
- Suitable for zone 1, 2, 21 and 22 installation
- Panels produced in accordance with IEC 61215

Solar panel specifications

Solar panel power	90W	180W
Nominal Voltage	12V	24V
Nominal Power	90W	180W
Open Circuit Voltage	22.27V	44.44V
Maximum Power Point Voltage	18.24V	36.8V
Maximum Power Point Current	5.0 Amps	5.0 Amps
Short Circuit Current	5.31 Amps	5.36 Amps
Maximum System Voltage	500V	
Operating Temperature Range	-20 to +55 Deg. C	
Maximum Series Fuse	10A	
Lifetime Expectancy	25 Years	
Panel Dimensions (mm)	1391 x 606	1658 x 606
IP Rating	IP66	

Hazardous area certification in accordance with EN60079-0, EN60079-7& EN600-79-18

For further information and further details please contact sales@rcpat.com

Ex SOLAR POWER UNIT



RCP Ex Solar Power Units are suitable for the following applications :

- “Off Grid” power packs
- Remote site security applications such as CCTV & lighting
- Remote monitoring and recording of sensors / instrumentation
- Weather stations and small base repeaters



Standard Solar Power Units	SPU-01	SPU-02	SPU-03	SPU-04
Rated Load Current	45Ah	45Ah	60Ah	60Ah
System Voltage	12V	24V	12V	24V
Self-Consumption	20mA	20mA	20mA	20mA
Short-circuit protection	✓	✓	✓	✓
Overcurrent protection	✓	✓	✓	✓
Reverse current protection	✓	✓	✓	✓
Surge protection	✓	✓	✓	✓
Temperature protection	✓	✓	✓	✓
Min working temp	-20°	-20°	-20°	-20°
Max working temp	+55°	+55°	+55°	+55°
Storage temperature	-40° to +65°	-40° to +65°	-40° to +65°	-40° to +65°
Maximum Humidity	100%	100%	100%	100%
Hazardous Area class	Zone 1,2,21,22			

All Solar Power Units are designed and built to order, RCP engineers will discuss power requirements and supply voltages with you to ensure that each Solar Power Unit is specified correctly. Environmental specifications may vary based on your particular application. *AC Solar Power Units are available, with GSM, WiFi and data recording options.

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