

# Ex SOLAR PANEL



- 160W Ex and 305W Ex panel options
- Ideally suited for harsh environments
- Classification Ex II 2 G Ex e mb II T6 GB, IP66
- ATEX Certificate: ExVeritas 15ATEX0051X
- IECEx Certificate: IECEx EXV15.0001X

## Solar panel specifications

Solar panel power	160W	305W
Open Circuit Voltage-Voc (Volt)	22.70	45.65
Short Circuit Current -Isc (Amp)	8.65	8.82
Maximum Power Voltage -Vmp (Volt)	18.50	37.24
Maximum Power Current -Imp (Amp)	9.20	8.46
Module Efficiency (%)	16.13	16.22
Output Tolerance (%)	+5	
Operating Temperature	-40 °C to +55 °C	
Dimensions	1487 x 667	1968 x 987
Weight (Approx)	15kg	20kg
Solar Cells	36 multi-crystalline	72 Monocrystalline
Front Cover	High transmission 3.2mm glass	
Frame	Anodized Aluminium	

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

For further information and further details please contact [sales@rcpat.com](mailto: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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