



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.:	<b>IECEX ETL 17.0065X</b>	Page 1 of 4	<u>Certificate history:</u>
Status:	<b>Current</b>	Issue No: 2	Issue 1 (2018-10-04) Issue 0 (2018-08-13)
Date of Issue:	2019-11-26		
Applicant:	<b>Globalstar, INC.</b> 1351 Holiday Square Blvd Covington, LA 70433 <b>United States of America</b>		
Equipment:	<b>SmartOne Solar</b>		
Optional accessory:			
Type of Protection:	<b>Intrinsically Safe " ia"</b>		
Marking:	Ex ia IIC T4 Ga  Ambient -40°C to +65°C  IECEX ETL 17.0065X		

Approved for issue on behalf of the IECEx  
Certification Body:

**Kevin J. Wolf**

Position:

**Certification Officer**

Signature:  
(for printed version)

\_\_\_\_\_

Date:

\_\_\_\_\_

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**Intertek**  
3933 US Route 11 South  
Cortland NY 13045-2995  
United States of America

**intertek**



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Manufacturer: **Globalstar, INC.**  
1351 Holiday Square Blvd  
Covington, LA 70433  
**United States of America**

Additional  
manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

#### STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2011** Explosive atmospheres - Part 0: General requirements  
Edition:6.0

**IEC 60079-11:2011** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[US/ETL/ExTR19.0080/00](#)

Quality Assessment Reports:

[US/ETL/QAR18.0005/01](#)

[US/ETL/QAR18.0006/01](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The SmartOne Solar is a solar powered satellite communication device intended for asset tracking applications. The device receives GPS signal and broadcasts its position and status using Globalstar simplex satellite communication network. The device also includes Bluetooth communication capabilities for local wireless communications and also features an external connector interface.

When used in the hazardous location it will be powered by 4 x VHT AA NI-MH 1.2V/1100mAh re-chargeable battery cells connected in 2S2P configuration. This also includes solar cells mounted on a PCB that are used to re-charge these battery cells under normal operation. This circuit along with the solar cell are fully potted and housed inside a plastic enclosure.

This product also has external connection for battery cell recharging, programming and communication. These connections are only intended to be used in the non-hazardous location. Um of this product will be 250V.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

Warning: Electrostatic hazard. Metal bracket measured max. capacitance 124.6pF.



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**  
See the Annex.

**Annex:**

104136796DAL-001 - Annex for COC IECEx ETL 17.0065X Issue 02.pdf