

Morningstar Corporation  
Bill Mellema  
Director of Engineering  
8 Pheasant Run  
Newtown 18940  
USA

Date : 16.02.2016  
Our ref. : DJW ZJ  
Your ref.: 154122641

**Ref : CB Certificate Japan**

Type of Equipment : SunSaver MPPT Charge Controller  
Model Designation : See Certificate  
Certificate No. : JPTUV-069519  
Report No. : 15092910 001

Dear Bill Mellema,

Thank you very much for your interest in our services.

Please find enclosed your certification documents.

We appreciate your support and would like to offer our assistance in the approval of your future products through our extensive range of technical services.

Please feel free to contact us whatever your requirements may be.

With kind regards,

Certification Body

  
Best C.C. Chen

CC: Morningstar Corporation

Enclosure

**TÜV RHEINLAND TAIWAN LTD.**

11F., No. 758, Sec. 4, Bade Rd.,  
Songshan Dist., Taipei City 105,  
Taiwan R. O. C.  
Tel. (02) 2172-7000  
Fax (02) 2528-0018  
<http://www.tuv.com>

TAICHUNG BRANCH:  
No. 9, Lane 36, Sec. 3, Minsheng Rd.,  
Daya Dist., Taichung City 428  
Taiwan, R. O. C.  
Tel. (04) 2560-2998  
Fax (04) 2566-3598

**IEC****IECEE  
CB  
SCHEME**

Ref. Certif. No.

JPTUV-069519

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST  
CERTIFICATES FOR ELECTRICAL EQUIPMENT  
(IECEE) CB SCHEMESYSTEME CEI D'ACCEPTATION MUTUELLE DE  
CERTIFICATS D ESSAIS DES EQUIPEMENTS  
ELECTRIQUES (IECEE) METHODE OC**CB TEST CERTIFICATE****CERTIFICAT D'ESSAI OC**Product  
Produit

SunSaver MPPT Charge Controller

Name and address of the applicant  
Nom et adresse du demandeurMorningstar Corporation  
8 Pheasant Run  
Newtown 18940, USAName and address of the manufacturer  
Nom et adresse du fabricantMorningstar Corporation  
8 Pheasant Run  
Newtown 18940, USAName and address of the factory  
Nom et adresse de l'usineOrient Semiconductor Electronics, Ltd.  
16 East 3Rd St. N.E.P.Z.  
Kaohsiung, Taiwan 81170 TaiwanRatings and principal characteristics  
Valeurs nominales et caractéristiques principalesSolar input: 60Vd.c. max; Class III;  
Battery : 7-36Vd.c.; 15ATrademark (if any)  
Marque de fabrique (si elle existe)

MORNINGSTAR

Type of Manufacturer's Testing Laboratories used  
Type de programme du laboratoire d'essais constructeur

N/A

Model / Type Ref.  
Ref. de type

SS-MPPT-15L

Additional information (if necessary may also be  
reported on page 2)Les informations complémentaires (si nécessaire,  
peuvent être indiqués sur la 2<sup>ème</sup> page)A sample of the product was tested and found  
to be in conformity with  
Un échantillon de ce produit a été essayé et a été  
considéré conforme à laIEC 62109-1:2010  
EN 62109-1:2010As shown in the Test Report Ref. No. which forms part  
of this Certificate

15092910 001

Comme indiqué dans le Rapport d'essais numéro de  
référence qui constitue partie de ce CertificatThis CB Test Certificate is issued by the National Certification Body  
Ce Certificat d'essai OC est établi par l'Organisme National de Certification**TÜVRheinland®**TÜV Rheinland Japan Ltd.  
Global Technology Assessment Center  
4-25-2 Kita-Yamata, Tsuzuki-ku  
Yokohama 224-0021 Japan  
Phone + 81 45 914-3888  
Fax + 81 45 914-3354  
Mail: info@jpn.tuv.com  
Web: www.tuv.com

Date: 16.02.2016

Signature:

  
Best C.C. Chen