

# Zertifikat *Certificate*

**Zertifikatsnummer Certificate No.:**

R 50604161 0001

**Berichtsnummer Report No.:**

CN23UUIJ 001

**Produkt Product:** Converter  
(Power Optimizer)

**Modell Type:** **Bezeichnung Designation:**  
For : SP1-600W-AL, SP1-600W-AS

Max.Input Voltage[Vd.c.]	: 70
MPP Voltage Range[Vd.c.]	: 10-70
Max.Allowed System Voltage[Vd.c.]	: 1100
Max.Input Current[Ad.c.]	: 15
Max. DC short-circuit Current[Ad.c.]	: 20
Rated Input Power[W]	: 600
Max.Output Voltage[Vd.c.]	: 70
Max.Output Current[Ad.c.]	: 18

Protective Class	: II
Ingress Protection(IP)	: IP68
Overvoltage Category(OVC)	: II
Operating Temperature[°C]	: -40 to 85(>80 derating)
Pollution Degree(PD)	: PD3
Altitude[m]	: 2000

**Remark(s):**

The installation has to be carried out according to the attached installation instruction.  
Any additional requirements in countries where the product is going to be marketed have to be considered additionally.



# CERTIFICATE

## of Conformity

### Low Voltage Directive (EU) 2014/35

**Registration No.:** AN 50604164 0001  
**Report No.:** CN23UUIJ 001  
**Holder:** SolarPilot Energy GmbH  
Arndtstr. 27b  
22085 Hamburg  
Germany  
**Product:** Converter  
(Power Optimizer)

#### Type designation listed on the next page

This certificate of conformity is based on an evaluation of a sample of the above-mentioned product. Technical Report and documentation are at the License Holder's disposal. This is to certify that the tested sample is in conformity with Annex I of Council Directive (EU) 2014/35, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex IV of the Directive.

#### Certification Body

**Date:** 2023-11-10



A. Chen



**TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg**

CE The CE marking may be used if all relevant and effective EC Directives/Regulations are complied with. CE

# CERTIFICATE

of Conformity  
Low Voltage Directive (EU) 2014/35

**Registration No.:** AN 50604164 0001

**Product:** Converter  
(Power Optimizer)

**Identification:** Type Designation  
SP1-600W-AL, SP1-600W-AS  
Serial No. : Engineering Samples  
Remark(s) : Issued in conjunction with TÜV  
Rheinland license R 50604161 0001.



**TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg**

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