



Product Service

# Attestation of Conformity

No. E8A 076777 0080 Rev. 00

**Holder of Attestation:** **Shenzhen Sinexcel Electric Co., Ltd**

Building 6, BaiWangXin  
High-tech Industrial Park, Nanshan District  
518055 Shenzhen City  
PEOPLE'S REPUBLIC OF CHINA

**Name of Object:**

**Converter**

**(Unidirectional DC/DC boost converter)**

This Attestation of Conformity is issued on a voluntary basis according to the Directive 2014/30/EU relating to electromagnetic compatibility. It confirms that the listed apparatus complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for conformity assessment. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64772223169301

**Date,** 2023-08-18

( Tony Liu )

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This Attestation does not replace the regulatory EU Declaration of Conformity (DoC) and does not allow for CE marking. After preparation of the necessary documentation and establishing compliance to requirements of all applicable directives, the manufacturer may sign a DoC and apply the CE marking. The DoC is issued under the sole responsibility of the manufacturer.





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**Model(s):** PDS1-45k, PDS1-60k

**Description of Object:**

Model	PDS1-60k	PDS1-45k
<b>PV input rating</b>		
Rated input voltage	600 V d.c.	
Maximum input voltage	1100 V d.c.	
MPP voltage range	200 V d.c. ~ 1000 V d.c.	200 V d.c. ~ 830 V d.c.
MPP voltage range (full load)	575 V d.c. ~ 900 V d.c.	430 V d.c. ~ 750 V d.c.
Max. number of MPP tracker	3	3
Max. number of PV strings per tracker	2	2
Maximum input current	35 A d.c. × 3	35 A d.c. × 3
Max. PV short-circuit current	40 A d.c. × 3	40 A d.c. × 3
Rated input power	60 kW	45 kW
<b>DC Output</b>		
Rated output voltage	700 V d.c.	
Output voltage range	600 V d.c. ~ 1000 V d.c.	700 V d.c. ~ 830 V d.c.
Rated output current	86 A d.c.	65 A d.c.
Maximum output current	86 A d.c.	65 A d.c.
<b>General parameter</b>		
Ambient temperature range	-20 °C ~ 60 °C	
Protective class	I	
Ingress protection rating	IP66	
Altitude	≤4000 m	

**Tested according to:**

EN IEC 61000-6-2:2019  
EN IEC 61000-6-4:2019  
EN IEC 61000-6-1:2019  
EN IEC 61000-6-3:2021

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