



Product Service

Attestation of Conformity

No. N8A 076777 0078 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

Product:

Converter

(Unidirectional DC/DC boost converter)

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment 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

Test report no.: 64290223169201

Date, 2024-04-15

(Billy Qiu)

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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**

Parameters:

Model	PDS1-60k	PDS1-45k
PV input rating		
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
DC Output		
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.
General parameter		
Ambient temperature range	-20 °C ~ 60 °C	
Protective class	I	
Ingress protection rating	IP66	

Tested

according to:

EN 62477-1:2012/A12:2021

EN 62109-1:2010

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