

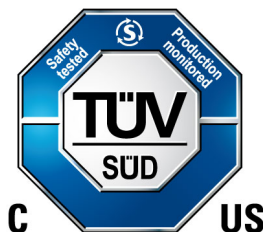
America

CERTIFICATE

No. U8 076777 0114 Rev. 00

Holder of Certificate: **Shenzhen Sinexcel Electric Co., Ltd.**
Building 6, BaiWangXin
High-tech Industrial Park, Nanshan District
518055 Shenzhen City
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: **Converter**
(Unidirectional DC/DC boost converter)

This product was voluntarily tested to the relevant safety requirements referenced on this certificate. It can be marked with the certification mark above. The mark must not be altered in any way. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC 17067. Certification is based on the TÜV SÜD "Testing, Certification, Validation and Verification Regulations (TCVVR)". TÜV SÜD America Inc. is an OSHA recognized NRTL for USA and a Standards Council of Canada ISO/IEC 17065 accredited Certification body for Canada.

Test report no.: 64290223067501

Date, 2024-10-18

(Billy Qiu)



America

CERTIFICATE

No. U8 076777 0114 Rev. 00**Model(s): PDS1-45k, PDS1-60k****Tested
according to:**UL 1741:2021/R:2023-05
CSA C22.2 No. 107.1:2016/U1:2021-09**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	