

Certificate of Conformity

Certificate Number: CN-PVES-240241

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacturer(s) shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

Applicant:	Shenzhen Sinexcel Electric Co., Ltd. Building 6, BaiWangXin High-tech Industrial Park, NanShan District, Shenzhen City, China
Product:	Energy Storage Inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	PWS1-500KTL-EX-1M1, PWS1-500KTL-EX-1M8, PWS1-500KTL-EX-2M1, PWS1-500KTL-EX-2M4, PWS1-500KTL-EX-2M8, PWS1-500KTL-EX-3M1, PWS1-500KTL-EX-3M8, PWS1-500KTL-EX-4M1, PWS1-500KTL-EX-4M4, PWS1-500KTL-EX-4M8, PWS1-500KTL-EX-5M1, PWS1-500KTL-EX-5M8, PWS1-500KTL-EX-6M1, PWS1-500KTL-EX-6M4, PWS1-500KTL-EX-6M8, PWS1-500KTL-EX-7M1, PWS1-500KTL-EX-7M8, PWS1-500KTL-EX-8M1, PWS1-500KTL-EX-8M4, PWS1-500KTL-EX-8M8
Brand Name<s>:	SINEXCEL
Product Complies with:	TOR Erzeuger Type B version 1.2, 18 April 2022 OVE-Richtlinie R 25:2020 Connection and parallel operation of type B power generation systems (maximum capacity ≥ 250 kW and nominal voltage <110 kV)
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2 nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
Test Report No.<s>:	240423190GZU-002, 30 May 2024

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 05 June 2024



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-240241

Model	PWS1-500KTL-EX-1M1	PWS1-500KTL-EX-1M8	PWS1-500KTL-EX-2M1
DC voltage range	600-900 d.c.V		
DC max. current	108 d.c.A	108 d.c.A	216 d.c.A
AC input/output data for on-grid			
AC Voltage	400 a.c.V, 3P3W		
AC current	91 a.c.A	91 a.c.A	181 a.c.A
AC max. current	100 a.c.A	100 a.c.A	199 a.c.A
Nominal power	62.5 kW	62.5 kW	125 kW
AC max. power	68.75 kVA	68.75 kVA	137.5 kVA
AC output data for off-grid			
AC Voltage	400 a.c.V, 3P3W		
AC current	91 a.c.A	91 a.c.A	181 a.c.A
Nominal power	62.5 kW	62.5 kW	125 kW
Others			
Frequency	50/60 Hz		
Power factor	0.8 ~ 1 leading or lagging		
Safety level	Class I		
Ingress Protection	IP 20		
Overvoltage category	III(AC), II(DC)		
Operation Ambient Temperature	-20°C ~ 50°C (>45°C power derating)		
Software version	A01		

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Model	PWS1-500KTL-EX-2M4	PWS1-500KTL-EX-2M8	PWS1-500KTL-EX-3M1
DC voltage range	600-900 d.c.V		
DC max. current	216 d.c.A	216 d.c.A	324 d.c.A
AC input/output data for on-grid			
AC Voltage	400 a.c.V, 3P3W		
AC current	181 a.c.A	181 a.c.A	271 a.c.A
AC max. current	199 a.c.A	199 a.c.A	298 a.c.A
Nominal power	125 kW	125 kW	187.5 kW
AC max. power	137.5 kVA	137.5 kVA	206.25 kVA
AC output data for off-grid			
AC Voltage	400 a.c.V, 3P3W		
AC current	181 a.c.A	181 a.c.A	271 a.c.A
Nominal power	125 kW	125 kW	187.5 kW
Others			
Frequency	50/60 Hz		
Power factor	0.8 ~ 1 leading or lagging		
Safety level	Class I		
Ingress Protection	IP 20		
Overvoltage category	III(AC), II(DC)		
Operation Ambient Temperature	-20°C ~ 50°C (>45°C power derating)		
Software version	A01		

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Model	PWS1-500KTL-EX-3M8	PWS1-500KTL-EX-4M1	PWS1-500KTL-EX-4M4
DC voltage range	600-900 d.c.V		
DC max. current	324 d.c.A	432 d.c.A	432 d.c.A
AC input/output data for on-grid			
AC Voltage	400 a.c.V, 3P3W		
AC current	271 a.c.A	361 a.c.A	361 a.c.A
AC max. current	298 a.c.A	397 a.c.A	397 a.c.A
Nominal power	187.5 kW	250 kW	250 kW
AC max. power	206.25 kVA	275 kVA	275 kVA
AC output data for off-grid			
AC Voltage	400 a.c.V, 3P3W		
AC current	271 a.c.A	361 a.c.A	361 a.c.A
Nominal power	187.5 kW	250 kW	250 kW
Others			
Frequency	50/60 Hz		
Power factor	0.8 ~ 1 leading or lagging		
Safety level	Class I		
Ingress Protection	IP 20		
Overvoltage category	III(AC), II(DC)		
Operation Ambient Temperature	-20°C ~ 50°C (>45°C power derating)		
Software version	A01		

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Model	PWS1-500KTL-EX-4M8	PWS1-500KTL-EX-5M1	PWS1-500KTL-EX-5M8
DC voltage range	600-900 d.c.V		
DC max. current	432 d.c.A	540 d.c.A	540 d.c.A
AC input/output data for on-grid			
AC Voltage	400 a.c.V, 3P3W		
AC current	361 a.c.A	452 a.c.A	452 a.c.A
AC max. current	397 a.c.A	497 a.c.A	497 a.c.A
Nominal power	250 kW	312.5 kW	312.5 kW
AC max. power	275 kVA	343.75 kVA	343.75 kVA
AC output data for off-grid			
AC Voltage	400 a.c.V, 3P3W		
AC current	361 a.c.A	452 a.c.A	452 a.c.A
Nominal power	250 kW	312.5 kW	312.5 kW
Others			
Frequency	50/60 Hz		
Power factor	0.8 ~ 1 leading or lagging		
Safety level	Class I		
Ingress Protection	IP 20		
Overvoltage category	III(AC), II(DC)		
Operation Ambient Temperature	-20°C ~ 50°C (>45°C power derating)		
Software version	A01		

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Model	PWS1-500KTL-EX-6M1	PWS1-500KTL-EX-6M4	PWS1-500KTL-EX-6M8
DC voltage range	600-900 d.c.V		
DC max. current	648 d.c.A	648 d.c.A	648 d.c.A
AC input/output data for on-grid			
AC Voltage	400 a.c.V, 3P3W		
AC current	542 a.c.A	542 a.c.A	542 a.c.A
AC max. current	596 a.c.A	596 a.c.A	596 a.c.A
Nominal power	375 kW	375 kW	375 kW
AC max. power	412.5 kVA	412.5 kVA	412.5 kVA
AC output data for off-grid			
AC Voltage	400 a.c.V, 3P3W		
AC current	542 a.c.A	542 a.c.A	542 a.c.A
Nominal power	375 kW	375 kW	375 kW
Others			
Frequency	50/60 Hz		
Power factor	0.8 ~ 1 leading or lagging		
Safety level	Class I		
Ingress Protection	IP 20		
Overvoltage category	III(AC), II(DC)		
Operation Ambient Temperature	-20°C ~ 50°C (>45°C power derating)		
Software version	A01		

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Model	PWS1-500KTL-EX-7M1	PWS1-500KTL-EX-7M8	PWS1-500KTL-EX-8M1
DC voltage range	600-900 d.c.V		
DC max. current	756 d.c.A	756 d.c.A	864 d.c.A
AC input/output data for on-grid			
AC Voltage	400 a.c.V, 3P3W		
AC current	632 a.c.A	632 a.c.A	722 a.c.A
AC max. current	695 a.c.A	695 a.c.A	794 a.c.A
Nominal power	437.5 kW	437.5 kW	500 kW
AC max. power	481.25 kVA	481.25 kVA	550 kVA
AC output data for off-grid			
AC Voltage	400 a.c.V, 3P3W		
AC current	632 a.c.A	632 a.c.A	722 a.c.A
Nominal power	437.5 kW	437.5 kW	500 kW
Others			
Frequency	50/60 Hz		
Power factor	0.8 ~ 1 leading or lagging		
Safety level	Class I		
Ingress Protection	IP 20		
Overvoltage category	III(AC), II(DC)		
Operation Ambient Temperature	-20°C ~ 50°C (>45°C power derating)		
Software version	A01		

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Model	PWS1-500KTL-EX-8M4	PWS1-500KTL-EX-8M8
DC voltage range	600-900 d.c.V	
DC max. current	864 d.c.A	864 d.c.A
AC input/output data for on-grid		
AC Voltage	400 a.c.V, 3P3W	
AC current	722 a.c.A	722 a.c.A
AC max. current	794 a.c.A	794 a.c.A
Nominal power	500 kW	500 kW
AC max. power	550 kVA	550 kVA
AC output data for off-grid		
AC Voltage	400 a.c.V, 3P3W	
AC current	722 a.c.A	722 a.c.A
Nominal power	500 kW	500 kW
Others		
Frequency	50/60 Hz	
Power factor	0.8 ~ 1 leading or lagging	
Safety level	Class I	
Ingress Protection	IP 20	
Overvoltage category	III(AC), II(DC)	
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