

Certificate of Conformity

Certificate Number: CN-PVES-250224

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:	Zendure USA Inc. 1765 E BAYSHORE RD # 201 EAST PALO ALTO, CA 94303-5501 USA
Product:	SolarFlow 800 Pro Power Station SolarFlow 800 AC+ Power Station
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	ZDSF800P, ZDSF800AC
Brand Name<s>:	ZENDURE SuperCharged+-
Product Complies with:	EN 50549-1: 2019+A1:2023, Requirements for generating plants to be connected in parallel with distribution networks Part 1: Connection to a LV distribution network - Generating plants up to and including type B EN 50549-10:2022, Requirements for generating plants to be connected in parallel with distribution networks - Part 10: Tests for conformity assessment of generating units Netherlands considered and Type approval for type A and B
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>:	250103068GZU-002, 20 May 2025
According to Annex H of the standard EN 50549-1:2019, generating plants compliant with the clauses of this European Standard are considered to be compliant with the relevant Article of COMMISSION REGULATION (EU) 2016/631, provided that all settings as provided by the DSO and the responsible party are complied with. Additional information in Appendix.	



Signature

Certification Manager: Grady Ye

Date: 27 May 2025



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-250224

Model	ZDSF800P	ZDSF800AC
PV Input		
Max. input Voltage	55 Vdc	--
MPPT voltage Range	14 -55 Vdc	--
Max. input current	4*18 Adc	--
PV Isc	4*22.5 Adc	--
AC Side		
Nominal input/output voltage	230 Vac	
Nominal input/output Frequency	50 Hz	
Max. output current (on-grid)	3.5 Aac	
Max. output power(on-grid)	800 W	
Max. output current (off-grid)	4.35 Aac	
Max. output power(off-grid)	1000 VA	
Max. input current	4.35 Aac	
Max. input power	1000 W	
Power factor range	0.8leading~0.8lagging	
Battery Side		
Battery Type	LiFePO	
Battery Rated Energy	1920 Wh	
Battery Rated Voltage	48 V dc	
Charge/Discharge Voltage Range	37.5~54.75 Vdc	
Max. Charge/Discharge Power (Without Extra Battery)	1440 W	
Max. Charge/Discharge Current (Without Extra Battery)	30 Adc	
Max. Charge/Discharge Power (With Extra Battery)	2000 W	
Max. Charge/Discharge Current (With Extra Battery)	40 Adc	
General information		
Safety level	Class I	
Ingress Protection	IP 65	
Operation Ambient Temperature	-20℃ - +55℃	
Software version	V1	

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Interface protection settings according to EN 50549-1 and Netherlands			
Parameter	Max. disconnection time	Min. operate time	Trip value
Undervoltage threshold stage 1 [27 <]	100s	0.1s (0.1 s steps, 2s default setting)	Trip value Config. from 0.2 to 1 Un (0.01 Un steps, 0.8Un default)
Undervoltage threshold stage 2 [27 <<]	5s	0.1s (0.05 s steps, 2s default setting)	Trip value Config. from 0.2 to 1 Un (0.01 Un steps, 0.8Un default)
Overvoltage threshold stage 1 [59 >]	100s	0.1s (0.1 s steps, 2s default setting)	Trip value Config. from 1.0 to 1.2 Un (0.01 Un steps, 110Un default)
Overvoltage threshold stage 2 [59 >>]	5s	0.1s (0.05 s steps)	Trip value Config. from 1.0 to 1.3 Un (0.01 Un steps)
Overvoltage 10 min mean protection	Trip time Config ≤ 3s not adjustable Time delay setting = 0 ms		Trip value Config. from 1.0 to 1.15Un (0.01 Un steps)
Underfrequency threshold stage 1 [81 <]	100s	0.1s (0.1s steps, 2s default setting)	Trip value Config. from 47.0 to 50.0Hz (0.1Hz steps, 47.5Hz default)
Underfrequency threshold stage 2 [81 <<]	5s	0.1s (0.05 s steps)	Trip value Config. from 47.0 to 50.0Hz (0.1Hz steps)
Overfrequency threshold stage 1 [81 >]	100s	0.1s (0.1s steps, 2s default setting)	Trip value Config. from 50.0 to 52.0Hz (0.1Hz steps, 47.5Hz default)
Overfrequency threshold stage 2 [81 >>]	5s	0.1s (0.05 s steps)	Trip value Config. from 50.0 to 52.0Hz (0.1Hz steps)
Starting to and reconnection settings for voltage		50%-120% adjustable, 90%Un ≤ U ≤ 1.10Un default	
Starting to generate electrical power		47Hz – 52Hz adjustable, 49.5Hz ≤ U ≤ 50.1Hz default	
Reconnection settings for frequency		47Hz – 52Hz adjustable, 49.9Hz ≤ U ≤ 50.1Hz default	
Observation time		10s-60s adjustable, 60s default	
Active power increase gradient		6%-3000%/min adjustable, 20%/min default	
Permanent DC injection		0.5% of rated inverter output	
Loss of mains according to EN 62116		Within 2s	

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