

# Test Verification of Conformity

Verification Number: 2501B1837SHA-V1

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. This verification is part of the full test report<s> and should be read in conjunction with it <them>.

Applicant Name & Address:	SRNE Solar Co., Ltd 4-5F,13A Wutong Island, Neihuan Rd, Xixiang, Bao`an, SHENZHEN Guangdong 518100, China
Product Description:	Solar Hybrid Inverter
Ratings & Principle Characteristics:	See appendix for details
Models/Type References:	HESP followed by 4880, 48100 or 48120; followed by U200-H. SEI- followed by 8K, 10K or 12K; followed by -UP. HEBP followed by 4880, 48100,48114 or 48120; followed by U240-Pro. SEI- followed by 8K, 10K,11.4k or 12K; followed by -UPRO.
Brand Name(s):	SRNE
Standard(s)/Directive(s):	47CFR Part 15 (2023) ANSI C63.4 (2014) +A1(2017)
Verification Issuing Office Name & Address:	Intertek Testing Services (Shanghai FTZ) Co., Ltd. Building No.86, 1198 Qinzhou Road (North), Caohejing Development Zone, Shanghai 200233, China
Test Report Number(s):	2309A1339SHA-001; 2309A1339SHA-001+A1
Date of Tests:	2024-04-30 to 2024-05-23, 2025-03-14 to 2025-03-15

Additional information in Appendix.

  
Signature

**Name: Max Jin**

**Position: General Manager**

**Date: 2025-04-07**

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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 2501B1837SHA-V1.

Rating list:

Specifications table			
Model	HESP4880U200-H SEI-8K-UP	HESP48100U200-H SEI-10K-UP	HESP48120U200-H SEI-12K-UP
<b>PV input</b>			
Vmax PV (Vdc) (absolute Max.)	550Vdc	550Vdc	550Vdc
Isc PV (absolute Max.) (A)	37*2	37*2	37*2
Max. PV input current / strings (A)	25A *2	25A *2	25A *2
Number MPP trackers	2	2	2
Number input strings	1+1	1+1	1+1
MPPT voltage range (Vdc)	125~450Vdc	125~450Vdc	125~450Vdc
Vdc range @ full power (Vdc)	275-450 Vdc	275-450 Vdc	275-450 Vdc
P pv Max(kW)	5500W/5500W	5500W/5500W	6600W/6600W
<b>Battery (charge/discharge)</b>			
Battery type	Li-ion/Lead-acid		
Battery Norma Voltage (Range) (Vdc)	48V (40-60V)		
Max discharge Current(A)	230	230	270
Max charge Current(A)	200	200	200
Max charge/discharge Power(kW)	11/10.5	11/12	11/14
<b>AC Grid (input and output)</b>			
Normal AC Voltage (VAC)	120/240 Vac (Split Phase) 120/208Vac(Three phase)		
Frequency (Hz)	60Hz		
Max. cont. input/output current (Aac)	@240V 36.6 @208V 42.3	@240V 41.7 @208V 48.1	50
Max. cont. input/output Power (kW)	8.8	10	@240V 12 @208V 10.4
Max. cont. Apparent Power (kVA)	8.8	10	@240V 12 @208V 10.4
Power factor(adjustable)	1.0( -0.8~ +0.8)		
<b>AC Load output (stand alone)</b>			
Normal Voltage (L-L) (VAC)	240/208 Vac	240/208 Vac	240/208 Vac
Normal Voltage (L-O) (VAC)	120 Vac	120Vac	120Vac
Frequency (Hz)	60	60	60

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Specifications table				
Model	HEBP4880U240-Pro SEI-8K-UPRO	HEBP48100U240-Pro SEI-10K-UPRO	HEBP48114U240-Pro SEI-11.4K-UPRO	HEBP48120U240-Pro SEI-12K-UPRO
<b>PV input</b>				
Vmax PV (Vdc) (absolute Max.)	550Vdc	550Vdc	550Vdc	550Vdc
Isc PV (absolute Max.) (A)	40*2	40*2	40*2	40*2
Max. PV input current / strings (A)	32A *2	32A *2	32A *2	32A *2
Number MPP trackers	2	2	2	2
Number input strings	1+1	1+1	1+1	1+1
MPPT voltage range (Vdc)	125~450Vdc	125~450Vdc	125~450Vdc	125~450Vdc
Vdc range @ full power (Vdc)	275-450 Vdc	275-450 Vdc	275-450 Vdc	275-450 Vdc
P pv Max(kW)	6.6KW/6.6KW	7.5KW/7.5KW	8.55KW/8.55KW	9KW/9KW
<b>Battery (charge/discharge)</b>				
Battery type	Li-ion/Lead-acid			
Battery Norma Voltage (Range) (Vdc)	48V (40-60V)			
Max discharge Current(A)	230	230	250	270
Max charge Current(A)	240	240	240	240
Max charge/discharge Power(kW)	13/10.5	13/12	13/12	13/14
<b>AC Grid (input and output)</b>				
Normal AC Voltage (VAC)	120/240 Vac (Split Phase) 120/208Vac(Three phase)			
Frequency (Hz)	60Hz			
Max. cont. input/output current (Aac)	@240V 36.6	@240V 41.7	@240V 47.5A	50
	@208V 42.3	@208V 48.1	@208V 50A	
Max. cont. input/output Power (kW)	8.8	10	@240V 11.4	@240V 12
			@208V 10.4	@208V 10.4
Max. cont. Apparent Power (kVA)	8.8	10	@240V 11.4	@240V 12
			@208V 10.4	@208V 10.4

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Power factor(adjustable)	1.0( -0.8~ +0.8)			
<b>AC Load output (stand alone)</b>				
Normal Voltage (L-L) (VAC)	240/208 Vac	240/208 Vac	240/208 Vac	240/208 Vac
Normal Voltage (L-N) (VAC)	120 Vac	120Vac	120Vac	120Vac
Frequency (Hz)	60	60	60	60
Nominal Current(A)	@240V 36.6	@240V 41.7	@240V 47.5A	50
	@208V 42.3	@208V 48.1	@208V 50A	
Max. cont. Power (kW)	8.8	10	@240V 11.4	@240V 12
			@208V 10.4	@208V 10.4
Max. cont. Apparent Power (kVA)	8.8	10	@240V 11.4	@240V 12
			@208V 10.4	@208V 10.4
Power factor(adjustable)	1			
<b>Others</b>				

Ingress protection (IP)	NEMA 4X IP65
Protective class	Class I
Temperature (°C)	-25°C to +60°C (Derating 45°C)
Inverter Isolation	Non-isolated PV- battery- AC High frequency isolated
Overvoltage category	OVC III (AC Main), OVC II (PV)



**Signature**

**Name: Max Jin**

**Position: General Manager**

**Date: 2025-04-07**

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