

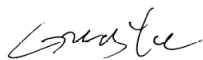
Certificate of Conformity

Certificate Number: CN-PV-230045

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:	Suzhou Bytewatt Technology Co., Ltd Room 1004-1, Tantaihu Building, No.9 East Taihu Road, Wuzhong District, Suzhou City, China
Product:	Hybrid Inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	BW-INV-SPH3.6K, BW-INV-SPH5K, BW-INV-SPB5K
Brand Name<s>:	NEOVOLT
Product Complies with:	NTS 631 version 2.1, 9 July 2021 Technical standard for monitoring the compliance of power generating modules according to EU Regulation 2016/631
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>:	221215057GZU-004

Additional information in Appendix.



Signature

Certification Manager: Grady Ye
Date: 10 February 2023



PRD N° 306B

APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230045.

MODEL	BW-INV-SPH3.6K	BW-INV-SPH5K	BW-INV-SPB5K
Input DC (PV side)			
Recommended max. PV power	5400W	7500W	--
Max PV input voltage	580Vdc		--
MPPT Voltage range	100-550Vdc		--
Max. input current	15A/15A		--
PV Isc	18.75A/18.75A		--
Battery			
Battery type	Li-ion (LiFePO4)		
Battery Voltage Range	80-450		
Max.Charging / Discharging Power	3680W	5000W	5000W
Max. Charge/Discharge current	60A/60A		
Grid Output			
Max Active power	3600W	5000W	5000W
Max.apparent power	3600VA	5000VA	5000VA
Max.output current	15.7A	21.7A	21.7A
Output voltage	L/N/PE 230Vac		
Rated Frequency	50/60 Hz		
Power Factor	0.8 cap ~ 0.8 ind		
Backup output			
Rated Voltage	L/N/PE 230Vac		
Rated Frequency	50/60 Hz		
Max output power	3600W	5000W	5000W
Max.output current	15.7A	21.7A	21.7A
System			
Protection Degree	IP65		
Protection Class	I		
Overvoltage Category	DC: II; AC:III		
Topology	Transformerless		
Software Version	E1.0		

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230045

Requisito / Requirement	NTS	Tipo / Type	Cumplimiento / Complicant	Nombre Entidad Emisora / Name of issuing Entity	Ev. (*)
Modo regulación potencia-frecuencia limitado sobrefrecuencia (MRPFL-O) / Power-frequency regulation mode limited to overfrequency (MRPFL-O)	5.1	≥A	YES (TRF No. 221215057GZU-004)	Intertek	P
Modo regulación potencia-frecuencia limitado-subfrecuencia (MRPFL-U) / Power-frequency regulation mode limited to underfrequency (MRPFL-U)	5.2	≥C	NO APPLICABLE	--	--
Modo regulación potencia-frecuencia (MRPF) / Power-frequency regulation mode (MRPF)	5.3	≥C	NO APPLICABLE	--	--
Control de potencia-frecuencia / Frequency Control	5.4	≥C	NO APPLICABLE	--	--
Capacidad de control y el rango de control de la potencia activa en remote / Active Power Requirements	5.5	≥C	NO APPLICABLE	--	--
Emulación de inercia durante variaciones de frecuencia muy rápidas / Intertia Emualtions	5.6	≥C	NO APPLICABLE	--	--
Capacidad de potencia reactiva a la capacidad máxima y por debajo / Reactive power capabilities at the EUT rated power and below	5.7	≥B	NO APPLICABLE	--	--
Modos de control de la potencia reactiva / Reactive power control modes	5.8	≥B	NO APPLICABLE	--	--
Control de amortiguamiento de oscilaciones / Control of oscillation damping	5.10	≥C	NO APPLICABLE	--	--
Capacidad para soportar huecos de tensión de los MPE conectados por debajo de 110 kV / Capability to withstand voltage grid faults for POC below 110 kV	5.11	≥B	NO APPLICABLE	--	--
Capacidad para soportar huecos de tensión de los MPE conectados por encima de 110 kV / Capability to withstand voltage grid faults for POC above 110 kV	5.11	D	NO APPLICABLE	--	--
Recuperación de la potencia activa después de una falta / Active power recovery after a grid fault	5.11	≥B	NO APPLICABLE	--	--
Inyección rápida de corriente de falta en el punto de conexión en caso de faltas trifásicas) simétricas / Rapid current injection control	5.11	≥B	NO APPLICABLE	--	--
Capacidad de participar en el funcionamiento en isla / Islanding requirements	5.13	≥C	NO APPLICABLE	--	--
(*) Evaluado por / Evaluated by: P: Prueba de conformidad / Test of compliance S: Simulación de conformidad / Simulation of compliance					

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