

Certificate of Conformity

Certificate Number: CN-PV-230050

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

Applicant:	V-TAC EXPORTS LIMITED ROOM NO.301, KAM ON BUILDING 176A QUEENS ROAD CENTRAL, HONGKONG
Product:	Hybrid Solar Storage System
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	Inverter conversion device: R3KL1, VT-66036103, VT-6607103, VT-6606103 Batteries and BMS - Battery Management System Battery module model: VT48100E-P1, VT48100E-P2 Battery pack: VT48100E-P1, VT48100E-P2 High voltage control model: IPB042N10N3
Brand Name:	V-TAC Meaningful Innovation.
Product Complies with:	CEI 0-21:2022: Reference technical rules for the connection of active and passive users to the LV electrical Utilities
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 Number:	221214067GZU-001 dated 10 Feb 2023 Issued by Intertek Testing Services Shenzhen Ltd. Guangzhou Branch accredited by IAS (TL-395) in accordance with ISO/IEC 17025:2017

Additional information in Appendix



Signature

Certification Manager: Grady Ye

Date: 15 February 2023



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230050

Test item description.....:	Hybrid Solar Storage System
Trademark.....:	V-TAC Meaningful Innovation.
Manufacturer.....:	Same as applicant
Model/Type reference.....:	Inverter conversion device: R3KL1, VT-66036103, VT-6607103, VT-6606103 V-TAC Meaningful Innovation. Brands: Batteries and BMS - Battery Management System Battery module model: VT48100E-P1, VT48100E-P2 Battery pack: VT48100E-P1, VT48100E-P2 High voltage control model: IPB042N10N3 Brands: VESTWOODS
Inverter Firmware Version.....:	V1.0
Number of phases.....:	Single-phase
Nominal Power.....:	3000W (R3KL1), 3680W (VT-66036103), 5000W (VT-6607103), 6000W (VT-6606103)
Type.....:	Bidirectional
CUS (useful capacity of the storage system).....:	See below table for details
Psn (nominal discharge power):	4800W(VT48100E-P1, VT48100E-P2)
Pcn (nominal charge power).....:	4800W(VT48100E-P1, VT48100E-P2)
Psmax (maximum discharge power).....:	4800W(VT48100E-P1, VT48100E-P2)
Pcmx (maximum charge power).....:	4800W(VT48100E-P1, VT48100E-P2)
BMS Firmware Version.....:	V1.9(VT48100E-P1, VT48100E-P2)
Battery	CUS (useful capacity of the storage system)

Basic Model	Manufacturer	Capacity of per battery module (kWh)	Number of Battery pack
VT48100E-P1	Hangzhou Vestwoods Technology Co., LTD.	4.8	1
VT48100E-P2	Hangzhou Vestwoods Technology Co., LTD.	5.12	1

Note:

1. Batteries are not integrated within the inverter and shall be installed according to local regulation.

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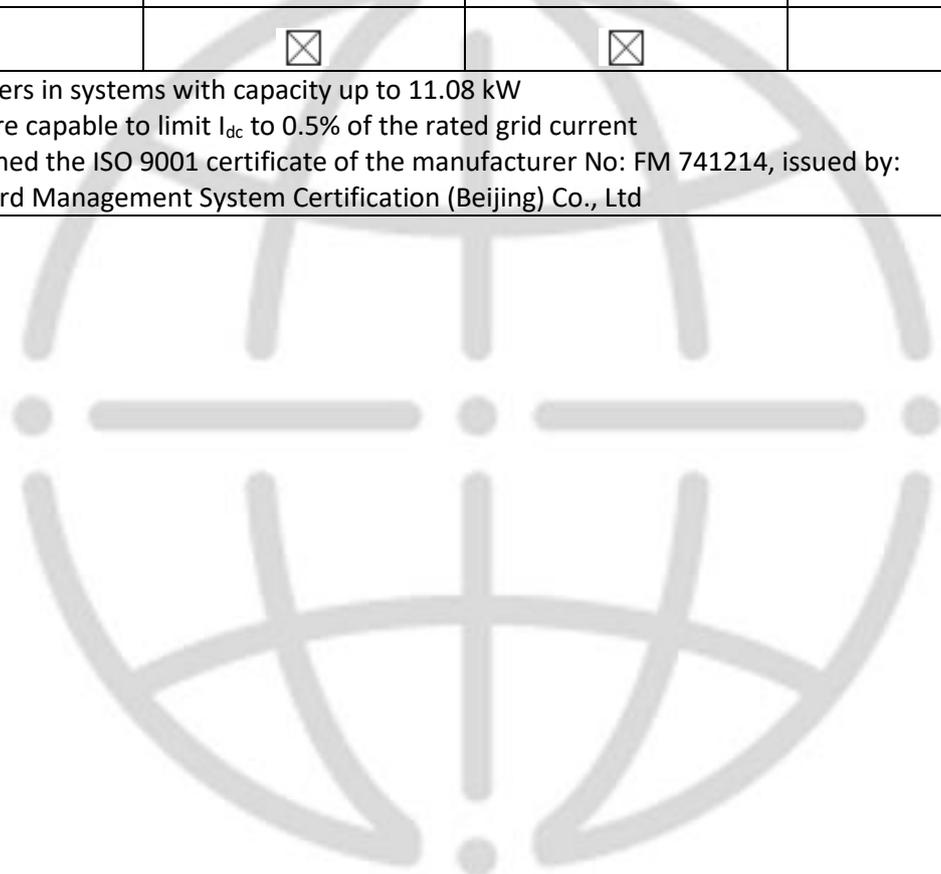
Model	R3KL1	VT-66036103	VT-6607103	VT-6606103
Max. PV voltage	550 d.c.V			
MPPT voltage range	125-500 d.c.V			
PV Isc	17.5/17.5 d.c.A			
Max. input current	14/14 d.c.A			
Battery voltage range	40-58 d.c.V			
Max. charging current	95 d.c.A			
Max. discharging current	62.2 d.c.A	76.6 d.c.A	104.2 d.c.A	110 d.c.A
Type of battery	Lithium battery			
Capacity of battery	4.8/5.12kWh			
Nominal input / output power[W]	3000/ 3000	3680/ 3680	5000/ 5000	6000/ 6000
Max. apparent power[VA]	3000	3680	5000	6000
Nominal output voltage	230 a.c.V			
Nominal input/output current[a.c.A]	13/13	16/16	21.7/21.7	26/26
Nominal Frequency	50/60Hz			
Power factor range	0.99 Leading – 0.99 lagging			
Safety level	Class I			
Ingress Protection	IP 65			
Operation Ambient Temperature	-25°C - +60°C			
Software version	V1.0			

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TYPE OF APPARATUS: Hybrid Solar Storage System			
Number of phases: single-phase			
DISCONNECTION DEVICE	INTERFACE PROTECTION DEVICE	DEVICE FOR CONVERSION	ROTATING GENERATOR DEVICE
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<p>Static converters in systems with capacity up to 11.08 kW The devices are capable to limit I_{dc} to 0.5% of the rated grid current Having examined the ISO 9001 certificate of the manufacturer No: FM 741214, issued by: British Standard Management System Certification (Beijing) Co., Ltd</p>			



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