Certificate of Conformity

Certificate Number: CN-PVES-240323

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:	Shandong Dahai New Energy Development Co. LTD
	North of Qi Road, west of Xikang Road, Guangrao Economic Development Zone, Dongying City, Shandong Province, China
Product:	Grid Tie Solar Inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	HonT80K, HonT90K, HonT100K, HonT100K-HV, HonT110K, HonT125K-HV, HonT136K-HV
Brand Name<s>:	DAHAI
Product Complies with:	IEC 62109-1:2010, EN 62109-1:2010, IEC 62109-2:2011, EN 62109-2:2011
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2nd 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>:	2406B0975SHA-001, 2406B0975SHA-002

Additional information in Appendix.

Signature

Certification Manager: Qiao Qiao
Date: 01 August 2024

PRD N° 306B

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-240323

Ratings & Principle Characteristics:

Specifications table				
Model	HonT80K	HonT90K	HonT100K	HonT110K
PV Input:				
Vmax PV (Vdc)	1100V	1100V	1100V	1100V
Isc PV (absolute Max.) (A)	8*37.5A	9*37.5A	10*37.5A	10*37.5A
Number MPP trackers	2*8	2*9	2*10	2*10
Number input strings	16	18	20	20
Max. PV input current(A)	8*30A	9*30A	10*30A	10*30A
MPPT voltage range (Vdc)	200-1000V	200-1000V	200-1000V	200-1000V
Vdc range @ full power (Vdc)	500-850V	500-850V	500-850V	500-850V
AC Output				
Normal Voltage(V)	☐1ϕN/PE 230Vac ☒3ϕN/PE 400Vac			
Frequency(Hz)	☒50 Hz			
Current (Max. continuous) (A)	127A	142.9A	158.8A	174.6A
Max. cont. Active Power (kW)	88kW	99kW	110kW	121kW
Max. cont. Apparent Power (kVA)	88kVA	99kVA	110kVA	121kVA
Power factor /(default)	1 default (0.8Leading-0.8Lagging)			
others				
Protective class	Class I			
Ingress protection (IP)	IP 66			
Temperature(℃)	-20℃ to +60℃(up 45℃ derating)			
Inverter Isolation	☒Non-isolated ☐High frequency isolated			
Overvoltage category	OVC III (AC Main), OVC II (PV)			
Weight (kg)	85			
Firmware Version	M201S201C200			
Dimensions	1050*620*333mm			
Humidity	0 ~ 100% RH, no condensation			
Condition	☐Indoor conditioned, ☐Indoor unconditioned, ☒Outdoor unconditioned			

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-240323

Ratings & Principle Characteristics:

Specifications table			
Model	HonT100K-HV	HonT125K-HV	HonT136K-HV
PV Input:			
Vmax PV (Vdc)	1100V	1100V	1100V
Isc PV (absolute Max.) (A)	10*37.5A	10*37.5A	10*37.5A
Number MPP trackers	2*10	2*10	2*10
Number input strings	20	20	20
Max. PV input current(A)	10*30A	10*30A	10*30A
MPPT voltage range (Vdc)	200-1000V	200-1000V	200-1000V
Vdc range @ full power (Vdc)	500-850V	550-850V	600-850V
AC Output			
Normal Voltage(V)	☒3ϕ/PE 500Vac		
Frequency(Hz)	☒50 Hz		
Current (Max. continuous) (A)	127A	158.8A	172.6A
Max. cont. Active Power (kW)	110kW	138kW	150kW
Max. cont. Apparent Power (kVA)	110kVA	138kVA	150kVA
Power factor /(default)	1 default (0.8Leading-0.8Lagging)		
others			
Protective class	Class I		
Ingress protection (IP)	IP 66		
Temperature(℃)	-20℃ to +60℃(up 45℃ derating)		
Inverter Isolation	☒Non-isolated ☐High frequency isolated		
Overvoltage category	OVC III (AC Main), OVC II (PV)		
Weight (kg)	85		
Firmware Version	M201S201C200		
Dimensions	1050*620*333mm		
Humidity	0 ~100% RH, no condensation		
Condition	☐Indoor conditioned, ☐Indoor unconditioned, ☒Outdoor unconditioned		

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