CERTIFICATE

of conformity with the following European Directives

Low Voltage Directive 2014/35/EU

This certifies that below described products of the 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

comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account the German national deviations:

Product(s):	Grid Tie Solar Inverter
Model type(s):	HonT30K, HonT33K, HonT36K, HonT40K, HonT45K, HonT50K

This certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity.

Certification program:	P33-VA-01 Rev. 02 / 04.20
Certification fundamental(s):	EN 62109-1:2010; EN 62109-2:2011
Registered no.:	44 799 24 406749 - 214
Report no.:	492013254.001
File no.:	PVP04137/24E-07

TÜV NORD CERT GmbH
Certification Body
Balance of System (BOS) for Photovoltaics

Essen, 2024-06-28

TÜV NORD CERT GmbH Am TÜV 1, D-45307 Essen www.tuev-nord-cert.de prodcert@tuev-nord.de

Please also pay attention to the information stated overleaf.

CE The CE marking may be affixed on the product if all relevant and effective Directives are complied with. CE

ANNEX

to Certificate registration no. 44 799 24 406749 - 214

Description of product(s):

Model or Type designation	**HonT30K**	**HonT33K**	**HonT36K**	**HonT40K**	**HonT45K**	**HonT50K**
PV input parameters:						
V_{MAX} PV [Vd.c.] ……:	1100					
MPP Voltage Range [Vd.c.] ……:	200-1000					
Max. PV Input Current [Ad.c.]……:	40/40/20		40/40/20/20			
DC Short-circuit current [Ad.c.]……:	50/50/25		50/50/25/25			
AC output (Grid Side) parameters:						
Rated Output Voltage [Va.c.]……:	3L/N/PE, 230/400					
Rated Output Frequency [Hz]……:	50/60					
Max. Output Current [Aa.c.] ……:	48	53	56	65	72	80
Max. output Power [kW] ……:	33	36.3	39.6	44	49.5	55

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Max. Apparent Power [kVA] ……:	33	36.3	39.6	44	49.5	55
Power Factor cosφ [λ]……:	1 (0.8 leading to 0.8 lagging)					
Others:						
Protective class……:	Class I					
Inverter topology……:	Non-isolated					
Operation temperature range……:	-25~60°C					
Ingress protection……:	IP66					
Overvoltage-category……:	OVC II(PV), OVC III(AC)					
Dimensions, D*W*H (mm) ……:	610*564*218					
Weight (kg) ……:	35	37				
Permissible Altitude (m) ……:	2000					
Software……:	CPU1: V1.0, CPU2: V1.0					

Remark:
For detailed product information, please refer to CDF (Constructional Data Form) in Annex 3 of test report.

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