CERTIFICATE

of conformity with the following European Directives

Low Voltage Directive 2014/35/EU

This certifies that below described products of the applicant:

Huizhou Foryou Optoelectronics Technology Co., LTD

Building 6, B Area, No.1 North Shangxia Road, Dongjiang High-Tech Industry Park, Huizhou City, Guangdong 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):	Hybrid Inverter
Model type(s):	EAG05K3L, EAG06K3L, EAG07K3L, EAG08K3L, EAG10K3L, EAG12K3L

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. The CE marking may be affixed on the product if all relevant and effective Directives are complied with, under full responsibility of the holder.

Certification program:	P31-VA-01 Rev. 02 / 04.20
Certification fundamental(s):	EN 62109-1:2010; EN 62109-2:2011;
Registered no.:	44 799 24 406749 - 293
Report no.:	492013290.001
File no.:	PVP05149/24E-01

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Energy Storage System

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Please also pay attention to the information stated overleaf.

ANNEX

to Certificate registration no. 44 780 24 406749 - 293

Description of product(s):

Model or Type designation	EAG05K3L	EAG06K3L	EAG07K3L
PV input parameters:			
V_{MAX} PV [Vd.c.]	1000		
MPP Voltage Range [Vd.c.]	200-800		
Max. PV Input Current [Ad.c.]	18		
DC Short-circuit current [Ad.c.]	22.5		
Battery parameters:			
Battery type	Li-ion/Lead-acid		
Battery Normal Voltage [Vd.c.]	48		
Max. charge/discharge current [Ad.c.]	120	125	150
AC output (Grid Side) parameters:			
Rated Output Voltage [Va.c.]	230/400 3W+N+PE		
Rated Output Frequency [Hz]	50/60		
Max. Output Power [kW]	5.0	6.0	7.0
Max. Apparent Power [kVA]	5.5	6.6	7.7
Max. Output Current [Aa.c.]	8.3	10.0	11.6
Power Factor cosφ [λ]	0.8(leading)-0.8(lagging)		
AC Load output (stand alone) parameters:			
Rated Output Voltage [Va.c.]	230/400 3W+N+PE		
Rated Output Frequency [Hz]	50/60		

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Max. Output Power [kW]	5.0	6.0	7.0
Max. Output Current [Aa.c.]	8.3	10.0	11.6
Others:			
Protective Class	Class I		
Inverter Topology	Non-isolated		
Operation Temperature Range [°C]	-25~60		
Ingress Protection	IP66		
Overvoltage-Category	DC(PV) II, AC(Main) III		
Software version:	CPU1:V1.0 CPU2:V1.0		
Model or Type designation	**EAG08K3L**	**EAG10K3L**	**EAG12K3L**
PV input parameters:			
V_{MAX} PV [Vd.c.]	1000		
MPP Voltage Range [Vd.c.]	200-800		
Max. PV Input Current [Ad.c.]	18/18	36/18	36/18
DC Short-circuit current [Ad.c.]	22.5/22.5	45/22.5	45/22.5
Battery parameters:			
Battery type	Li-ion/Lead-acid		
Battery Normal Voltage [Vd.c.]	48		
Max. charge/discharge current [Ad.c.]	190	210	250
AC output (Grid Side) parameters:			

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Rated Output Voltage [Va.c.]	230/400 3W+N+PE		
Rated Output Frequency [Hz]	50/60		
Max. Output Power [kW]	8.0	10.0	12.0
Max. Apparent Power [kVA]	8.8	11.0	13.2
Max. Output Current [Aa.c.]	13.3	16.7	20.0
Power Factor cosφ [λ]	0.8(leading)-0.8(lagging)		
AC Load output (stand alone) parameters:			
Rated Output Voltage [Va.c.]	230/400 3W+N+PE		
Rated Output Frequency [Hz]	50/60		
Max. Output Power [kW]	8.0	10.0	12.0
Max. Output Current [Aa.c.]	13.3	16.7	20.0
Others:			
Protective Class	Class I		
Inverter Topology	Non-isolated		
Operation Temperature Range [°C]	-25~60		
Ingress Protection	IP66		
Overvoltage-Category	DC(PV) II, AC(Main) III		
Software version:	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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