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Of Conformity
Low Voltage Directive 2014/35/EU
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Certificate No.	:	**AT1811C502327122**
Report No.	:	**1811C50232712201**
Applicant	:	Guangdong Felicity New Energy Co., Ltd
Address	:	(KongGangBaiYun)No. 2, Donghua Huaye Road, Renhe Town, Baiyun Area, Guangzhou, Guangdong,P.R.CHINA
Product Name	:	Hybrid Inverter
Date	:	2025-07-11
Trade Mark	:	FelicityESS™
Model No.	:	T-REX-50KHP3G01, T-REX-40KHP3G01, T-REX-30KHP3G01, T-REX-29K9HP3G01, T-REX-25KHP3G01
Rating	:	See attachment Rating table
Test Standards	:	IEC 62109-1:2010, IEC 62109-2:2011, EN 62109-1:2010, EN 62109-2:2011

The certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical report and documentation are at the applicant's disposal. This is to certify that the tested sample is in conformity with Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. The certificate does not imply assessment of the series-production of the product. The applicant of the certificate is authorized to use this certificate in connection with EU declaration of conformity specified in Article 15 and Annex IV of the Directive.

Shenzhen Anbotek Compliance Laboratory Limited * Approved *

Certified by

Jeff Zhu

The CE Marking may only be used if all relevant and effective EU Directives are complied with

Shenzhen Anbotek Compliance Laboratory Limited
Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86)755-26066440 Email:service@anbotek.com

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Attachment of Rating table

Rating : **T-REX-50KHP3G01:**

Battery Input Data:
Battery Voltage Range: 160-800 Vd.c.
Max. Charging Current: 50+50 A
Max. Discharging Current:50+50 A

PV String Input Data
Max. DC Input Power: 65kW
Max. DC Input Voltage: 1000 Vd.c.
Min DC Input Voltage: 150 Vd.c
MPPT Range: 200-850 Vd.c.
Full Load DC Voltage Range: 450~850Vd.c
PV Input Current: 36+36+36+36 A
Max. PV Isc: 55+55+55+55 A

AC Output Data
Rated Output Power: 50 kW
Max. AC Output Power: 55kW
AC Output Rated Current:72.5A
Max. AC Current:79.7A
Rated AC Voltage:220/380, 230/400 Va.c.(-20%~+15%)
AC wiring Mode: L1/L2/L3/N/PE
Rated AC Frequency: 50/60 Hz(45~55Hz/55~65Hz)
Power Factor: 0.8 lagging to 0.8 leading

T-REX-40KHP3G01:

Battery Input Data:
Battery Voltage Range: 160-800 Vd.c.
Max. Charging Current: 50+50 A
Max. Discharging Current:50+50 A

PV String Input Data
Max. DC Input Power: 52kW
Max. DC Input Voltage: 1000 Vd.c.
Min DC Input Voltage: 150 Vd.c
MPPT Range: 200-850 Vd.c.
Full Load DC Voltage Range: 360~850Vd.c
PV Input Current: 36+36+36+36 A
Max. PV Isc: 55+55+55+55 A

AC Output Data
Rated Output Power: 40 kW
Max. AC Output Power: 44kW
AC Output Rated Current:58A
Max. AC Current:63.8A
Rated AC Voltage:220/380, 230/400 Va.c.(-20%~+15%)
AC wiring Mode: L1/L2/L3/N/PE
Rated AC Frequency: 50/60 Hz(45~55Hz/55~65Hz)
Power Factor: 0.8 lagging to 0.8 leading

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Attachment of Rating table

Rating : **T-REX-30KHP3G01:**

Battery Input Data:
Battery Voltage Range: 160-800 Vd.c.
Max. Charging Current: 50+50 A
Max. Discharging Current:50+50 A

PV String Input Data
Max. DC Input Power: 39kW
Max. DC Input Voltage: 1000 Vd.c.
Min DC Input Voltage: 150 Vd.c
MPPT Range: 200-850 Vd.c.
Full Load DC Voltage Range: 360~850Vd.c
PV Input Current: 36+36+36 A
Max. PV Isc: 55+55+55A

AC Output Data
Rated Output Power: 30 kW
Max. AC Output Power: 33kW
AC Output Rated Current:43.5A
Max. AC Current:47.9A
Rated AC Voltage:220/380, 230/400 Va.c.(-20%~+15%)
AC wiring Mode: L1/L2/L3/N/PE
Rated AC Frequency: 50/60 Hz(45~55Hz/55~65Hz)
Power Factor: 0.8 lagging to 0.8 leading

T-REX-29K9HP3G01:

Battery Input Data:
Battery Voltage Range: 160-800 Vd.c.
Max. Charging Current: 50+50 A
Max. Discharging Current:50+50 A

PV String Input Data
Max. DC Input Power: 38.87kW
Max. DC Input Voltage: 1000 Vd.c.
Min DC Input Voltage: 150 Vd.c
MPPT Range: 200-850 Vd.c.
Full Load DC Voltage Range: 360~850Vd.c
PV Input Current: 36+36+36 A
Max. PV Isc: 55+55+55 A

AC Output Data
Rated Output Power: 29.9 kW
Max. AC Output Power: 29.9kW
AC Output Rated Current:43.4A
Max. AC Current:43.4A
Rated AC Voltage:220/380, 230/400 Va.c.(-20%~+15%)
AC wiring Mode: L1/L2/L3/N/PE
Rated AC Frequency: 50/60 Hz(45~55Hz/55~65Hz)
Power Factor: 0.8 lagging to 0.8 leading

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C E R T I F I C A T E

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Attachment of Rating table

Rating : **T-REX-25KHP3G01:**

Battery Input Data:
Battery Voltage Range: 160-800 Vd.c.
Max. Charging Current: 50+50 A
Max. Discharging Current:50+50 A

PV String Input Data
Max. DC Input Power: 32.5kW
Max. DC Input Voltage: 1000 Vd.c.
Min DC Input Voltage: 150 Vd.c
MPPT Range: 200-850 Vd.c.
Full Load DC Voltage Range: 450~850Vd.c
PV Input Current: 36+36 A
Max. PV Isc: 55+55 A

AC Output Data
Rated Output Power: 25 kW
Max. AC Output Power: 27.5kW
AC Output Rated Current:36.3A
Max. AC Current:39.9A
Rated AC Voltage:220/380, 230/400 Va.c.(-20%~+15%)
AC wiring Mode: L1/L2/L3/N/PE
Rated AC Frequency: 50/60 Hz(45~55Hz/55~65Hz)
Power Factor: 0.8 lagging to 0.8 leading

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