

Hybrid Solar inverter

T-Rex Series **High-voltage | Three Phase**

Features

- Support WiFi for mobile monitoring.
- Max. charging / discharging current of 25A.
- AC couple to retrofit existing solar system.
- Customizable battery charge / discharge scheduling.
- Support storing energy from diesel generator.
- Switch power supply within 20ms.
- IP65 protection level.



T-REX-10KHP3G01

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Official Website

Facebook

Model	T-REX-10KHP3G01
Battery Input Data	
Battery Voltage Range	180V~580V
Max. charging and discharging current	25A
Max. charging and discharging power	10000W
Battery type	Li-Ion / Lead-acid
DC Input Data(PV side)	
Max. Recommended PV Power	13000W (6500W for Single PV)
Max. PV Voltage	900V
Start Oltage	160V
PV Voltage Range	160V-900V
MPPT Voltage Range	200V-850V
MPPT Voltage Range for Full Load	450V-850V
Nominal Voltage	720V
Max. Input Current	15A/15A
Max. Shorted Current	18A/18A
Number of MPP Trackers / Strings Per MPP Tracker	2/1
Grid Data	
Nominal Input Voltage	L1/L2/L3/N/PE, 230/400Vac
Nominal Grid Frequency	50/60Hz
Max. Input Current	30A
Max. Charge Current	25A
Max. AC Output Power	10000W
AC Output Rated Current	14.5A
Max. Output Current	18A
Max. Continuous AC Passthrough	30A
Power Factor	>0.99
Displacement Power Factor	0.8(Leading) to 0.8(Lagging)
THDI	＜3%
AC Output Data(Back Up)	
Rated Output Power	10000VA/10000W
Max. Output Current	30A
Rated AC Output Voltage	L1/L2/L3/N/PE, 230/400Vac
Rated AC Output Frequency	50/60Hz
Protection	
Output Over Current Protection	Integrated
Output Over Power Protection	Integrated
Output Short-Circuit Protection	Integrated
Anti-islanding Protection	Integrated
GFCI Protection	Integrated
Insulation Resistor Detection	Integrated
General Data	
Operating Temperature Range	-25°C~60°C,>45°C Derating
Protection Degree	IP65
Cooling Concept	Nature
Communication	RS232/RS485
BMS Communication	CAN/RS485
Monitor Module	WiFi/GPRS
Display	LCD+LED
Installation Style	Wall-mounted
Warranty	10 Years
Grid Regulation	VDE-AR-N 4105 EN50549-1
Safety Regulation	IEC 62109-1/-2
EMC	SZNTC2206135EV00 / EN IEC 61000-6-2: 2019 / EN IEC 61000-6-4: 2019 / EN IEC 61000-3-11: 2019 / EN 61000-3-12: 2011
Net Weight(KG)	35.3KG
Gross Weight(KG)	39.7KG
Product Dimension(MM)	533*431*213MM
Package Dimension(MM)	635*533*315MM

*Refer to Felicitysolar's Warranty Policy for applicable conditions.