FelicityESS

Eco, Smart, Sustainable



T-REX Hybrid Inverter

T-REX-10KLP3G01

Product Features

MPPT Multi-way MPPT design	Lithium battery activation function	UPS grade on/off grid switching
Support half-wave load, and unbalanced load	Equipped with remote real-time monitoring platform	Ip65 protection grade

Specification

Model	T-REX-10KLP3G01
Battery Input Data	
Battery Voltage Range	40V~60V
Max. charging and discharging current	200A/200A
Max. charging and discharging power	10000W
Battery type	Li-Ion /Lead-acid
DC Input Data(PV side)	
Max.recommended PV power	13000W
Max.PV voltage	900V
Start voltage	180V
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
Input Voltage Range	184-264.5Vac*
Nominal grid frequency	50/60Hz
Max. input current	30A
Max. Charge Current	200A
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	0.8leading...0.8lagging
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
Efficiency	
Max. efficiency	97.6%
Euro efficiency	97.0%
MPPT efficiency	99.9%
Protection	
Output over current protection	Integrated
Output over power protection	Integrated
Output shorted 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
Relative humidity	100%
Cooling concept	Smart cooling
Altitude	2000m
Communication	RS232/RS485
BMS Communication	CAN/RS485
Monitor module	WiFi/GPRS
Display	LCD+LED
Installation Style	Wall-mounted
Warranty[1]	10 years
Grid Regulation	VDE-AR-N 4105; G99/1; EN50549-1; CEI -21; AS 4777.2; NRS 097-2-1;
Safety Regulation	IEC 62109-1/2IEC 62040-1
EMC	EN61000-6-1.EN61000-6-3
Net Weight(KG)	38.9KG
Gross Weight(KG)	47.1KG
Product Dimension(MM)	655*475*266MM
Package Dimension(MM)	792*597*351MM

[1]Conditions apply, refer to FelicityESS Warranty Letter.

*According to local grid-connected standards