



T-REX Hybrid Inverter

T-REX-10KLP3G01

Product Features



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