










SOLAR INVERTER

T-REX-50KHP3G01 SERIES



FEATURES

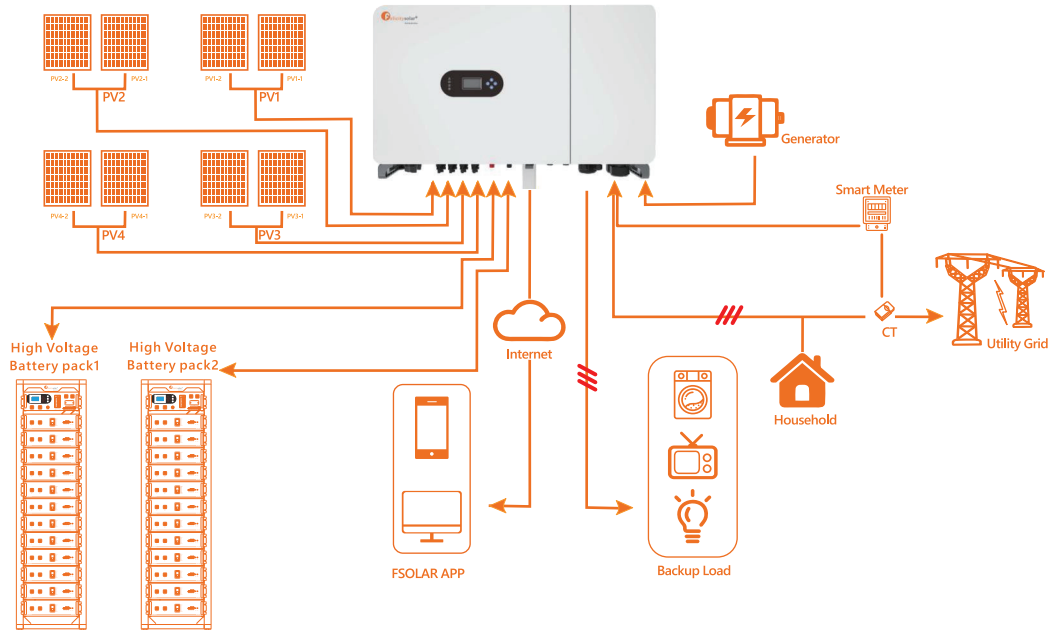
-  5 years warranty.
-  Support 4 MPPT / 8 strings input.
-  Support multiple operating modes.
-  Support up to 12 parallel connections.
-  Support remote monitoring and scheduling.
-  Support two independent high-voltage battery packs.
-  Outdoor wall mounted installation with IP65 protection level.
-  Support wide voltage input and external generator connection.
-  The maximum capacity supporting the battery pack is 2041.6 KWH.



PRODUCT PARAMETERS

Model	T-REX-50KHP3G01
Battery Input Data	
Battery Voltage Range	160~800Vd.c
Max.Charging Current	50+50 (A)
Max. Discharging Current	50+50 (A)
Number of battery input	2
PV String Input Data	
Max.DC Input Power	65KW
Max.DC Input Voltage	1000Vd.c.
Min.DC Input Voltage	150Vd.c.
Start-up Voltage	250Vd.c.
Rated DC Input Voltage	600Vd.c.
MPPT Range	200~850Vd.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)
No.of MPP Trackers	4
No.of Strings per MPP Tracker	2
AC Output Data	
Rated AC Output Power	50 kW
Max.AC Output Power	55 kW
AC Output Rated Current	72.5A
Max.AC Current	79.7A
Rated AC Voltage	220/380,230/400Vac(-20%~+15%)
AC Wiring Mode	L1/L2/L3/N/PE,230/400Vac
Rated AC Frequency	50/60 Hz (45~55Hz/55~65Hz)
THDI	<3%(At Rated Power)
Power Factor	0.8(leading) to 0.8(lagging)
General Data	
Ingress Protection	IP65
Operating Temperature Range	-25 to 60C(>50C derating)
Humidity	0~95%(No condensation)
Cooling	Smart cooling
Altitude	3000 m (> 2000 m derating)
Communication with BMS	CAN/RS485
Monitor module	WiFi/GPRS
Installation Style	Wall-mounted
Warranty	5 years
Net Weight(KG)	70KG
Product Dimension(MM)	940*595*340MM


Connection diagram



HIGH VOLTAGE BATTERY PACK LUX-X-96050 SERIES



FEATURES

-  Long Warranty:10 Years.
-  Flexible Installation:Stack-Mounted.
-  High Scalability:Capacity up to 983kwh.
-  LiFePO4:Higher safe performance and longer cycle life.
-  Wide Compatibility:Compatible with leading inverter brands.
-  Inverter interface protection: Over voltage, Over current, External Short Circuit, Reverse Polarity GroundFault, Over Temp, In rush current.
-  Battery Protection: Internal Short Circuit, Over voltage, over current, over temp, Under voltage
The batterysystem contains the following Interface to allow it to connect and operate efficiently.

Specification

Model		LUX-X-96050		
Module Energy		5.12kWh		
Module Nominal Voltage		51.2V		
Module Capacity		100AH		
Number of Battery Modules (Optional)		4 (Min)	8	12
System Energy		20.48kWh	40.96kWh	61.44kWh
System Nominal Voltage		204.8V	409.6V	614.4V
System Operating Voltage		192-230.4V	384-460.8V	576-691.2V
Recommend Charge/Discharge Current		≤ 50A	≤ 50A	≤ 50A
Recommend Charge/Discharge Power		≤ 10000W	≤ 20000W	≤ 30000W
Max. Continuous Charge/Discharge Current[1]		≤ 100A	≤ 100A	≤ 100A
Max. Continuous Charge/Discharge Power[1]		≤ 20000W	≤ 40000W	≤ 60000W
Maximum Charge/Discharge Current(15s)		120A	120A	120A
Maximum Charge/Discharge Power(15s)		24000W	48000W	72000W
Battery Type		LiFePO4		
Depth of Discharge(DOD)		≥ 95%		
Scalability		Up to 16 units in parallel(983kWh)		
Communication		CAN&RS485		
Ingress Protection		IP21		
Cycle Life[2]		≥ 6000 Cycles		
Charging Temperature Range		0~55℃		
Discharging Temperature Range		-20~55℃		
Display		LED/LCD		
Installation		Stack-Mounted		
Protection		Built-in smart BMS, Breaker, Fuse		
Warranty		10 Years		
LUX-X-96050 HCG01	Net Weight(KG)	10.3KG		
	Gross Weight(KG)	16.7KG		
	Product Dimension(MM)	440*150*515MM		
	Package Dimension(MM)	597*562*269MM		
LUX-X-96050 HMG01	Net Weight(KG)	41.3KG		
	Gross Weight(KG)	44.35KG		
	Product Dimension(MM)	440*131*565MM		
	Package Dimension(MM)	687*562*244MM		

[1] Recommend charge/discharge current/power is affected by temperature and SOC.

[2] Test conditions: 0.2C Charging/Discharging @25℃,80% DOD

Connection diagram

