

# MAKE THE SWITCH TO LITHIUM BATTERIES FOR COST-EFFECTIVE POWER!



**GREEN  
ENERGY**



**ECO-  
FRIENDLY**



**SUSTAINABLE  
FUTURE**

-  Wall Mountable
-  4000 + Cycles
-  30% Lesser EB Bill
-  No Maintenance
-  No Acid Fumes
-  Inbuilt BMS Technology

-  LiFePO4 Technology
-  3x Fast Charging
-  Eco Friendly
-  Prismatic Cells
-  Laser Welded Technology
-  Bluetooth Communication

# TECHNICAL SPECIFICATION

PARAMETERS	UNITS	RATING
Model Name	-	TLI11280+
Nominal Voltage	V	12.8
Battery Capacity	Ah	100
Battery Power	Wh	1280
System Battery Voltage (DC)	V	12
Charging Cutoff	V	14
Discharging Cutoff	V	11.3
Charging Current	A @ 0.15C	15
Discharging Current	A @0.8 C	80
Charging Temperature	°C	10°C to 45°C
Discharging Temperature	°C	0°C to 60°C
Battery Weight	KG	22 ± 2
Battery Dimensions (LWH)	MM	442 * 365 * 158
100W Backup @90% DOD	Hr	12hr
400W Backup @90% DOD	Hr	3hr
Over Charge Protection	-	Yes
Over Discharge Protection	-	Yes
Short Circuit Protection	-	Yes
Charge & Discharge Port	-	Yes
Audible Noise	db	<50
Battery Chemistry	-	Lithium Ferro Phosphate
Charging Time	-	5-6 hrs
Backup Time at 400W	-	>3 hrs
Backup Time at 100W	-	>10 hrs
INPUT		
Power Rating	Power Rating	1000
DC Voltage	DC Voltage	12.8
Voltage Range	Voltage Range	170-270
Frequency	Frequency	45-65
Full load DC Output Current	Full load DC Output Current	65
THD	THD	>10% at 220VAC (input)
Input Power Factor	Input Power Factor	>0.9
Charger Topology	Charger Topology	CONSTANT CURRENT/VOLTAGE

# TECHNICAL SPECIFICATION

PARAMETERS	UNITS	RATING
<b>OUTPUT</b>		
Power Capacity	W	800
Voltage	Vac	220 ±7
Frequency	Hz	50
Power Factor	Lag	0.85
Voltage Harmonic	-	<5% (Linear Load)
Waveform	-	Pure Sine Wave
Transient Response	-	<8% (10%~90% Linear Load)
Low Battery Voltage	-	Smart Shutdown
Peak Efficiency of Inverter	-	82%
Crest Factor	-	3:01
Changeover time (UPS to mains, UPS mode)	ms	<10
Changeover time (UPS to mains, normal mode)	ms	<10
Changeover time (mains to UPS mode)	ms	<10
Changeover time (mains to normal mode)	ms	<40
Overload capacity (IT 125%)	Sec	6 sec (6 Auto Retry)
Overload capacity (IT 150%)	Sec	2 sec (6 Auto Retry)
Overload capacity (Normal 125%)	Sec	6 sec (6 Auto Retry)
Overload capacity (Normal 150%)	Sec	2 sec (6 Auto Retry)
Cooling Fan ON temp	°C	60 or >45% Load
Cooling Fan OFF temp	°C	55 or >40% Load
<b>DISPLAY</b>		
LED Indication	-	UPS ON
Alarm Function	-	LED Indication Alarm Function LCD Parameter
LCD Parameter	-	Battery Voltage, Mains Voltage, UPS ON/OFF, UPS Mode, Load Percentage (0-150%), Overload, Short Circuit, Fault, Battery Low, Over Temperature, Fuse Trip (Customised LCD)



**TORQUE**<sup>®</sup>  
Energy to  
Exist  
**LITHIUM**