THE ENERGY DOCTOR®

TED

UPS EXPERTS

Data sheet

LiFePO4 UPS-TLi

Extended Runtime UPS 2000-2500 VA 24V

UPS Highlights



- Pure sine wave output
- Suitable for almost all of appliances
- Inverter, UPS, AVR and charger function;
- Toroidal transformer design, energy saving
- High efficiency low static loss
- LED interface displays device's working status, input\output voltage, loading status, battery status
- Wide input voltage range
- Intelligent battery management, automatic floating & equalizing charge control, increasing battery life
- Short switchover time, guarantees the connected appliances uninterruptible usage
- Ventilation fan intelligent controlled, fan working based on the setting temperature and working status
- High protection for: overvoltage, undervoltage, overload, over-temperature, battery low voltage and fan failure
- Compact internal layout provide minimal footprint

LiFePO4 Highlights

- Longer Lifespan - Lower Total Cost of Ownership, LiFePO4 batteries last 10–12 years
- Faster Charging & Ready for Next Outage
- Up to 50% smaller and lighter than AGM for the same capacity
- Can safely discharge up to 80–90% of capacity
- Smart monitoring: TED Electric LiFePO4 batteries include Bluetooth Battery Management
- System (BMS) for real-time monitoring, protection, and predictive maintenance.
- LiFePO4 chemistry is non-toxic, non-hazardous, and safer (reduced risk of thermal runaway compared to other lithium chemistries).

PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE

TED Electric, Netherlands, City: Wassenaar, Dr. Mansveltkade Street 48, Postal code: 2242XM

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Specifications

Model		TED006790	TED006813
Rated Capacity / Rated Power		2000VA / 1400W	2500VA / 1800W
Product size (mm)		182*312*203	
Transformer		C.R.G.O.	
Interface		LED Graphic	
Display Status		Working & Loading Battery	
Input	Voltage	155~270Vac	
	Frequency	45~65Hz	
Output	Voltage	230Vac ±1-3% for inverter	
	Frequency	50/60 HzHz, subject to the main	
	Wave Form	Pure Sine Wave	
	Wave Distortion	≤ 3%	
Protection		overload / high temperature / output high voltage / output low voltage / battery low voltage / short circuit / over-charge / over-discharge	
Transfer Time		≤ 4ms	
Battery Voltage		2 X 12V DC (LiFePO4 / Lead Acid)	
Charge Voltage		27.6V±0.5V (Can be set)	
Low Battery Voltage Limit		22V±0.5V (Can be set)	
Battery Low Voltage Protection Point		121V±0.5V (Can be set)	
Charge Current		5A / 10A / 15A / 20A (Can be set)	
Cooling System		Yes	
Environmental	Operating Temp.	0 - 40 ℃	
	Relative Humidity	10%~90% RH, non-condensing	
Weight (kg)		10.0	12.3

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