

# LEON UPS LPRT LI SERIES

#1 POWER OF UPS



1:1 Phase PF 1.0

Power range: 1kVA~3kVA



## Features

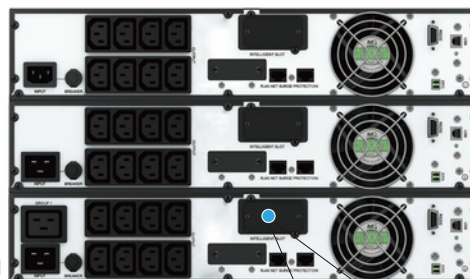
- Rack/Tower convertible design
- Online double conversion with full digital control
- Built-in lithium battery with more than 2000 times cycle life
- Reliable BMS protection
- Wide input voltage range: 110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- Smart charger design for optimized battery performance
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator compatible
- Hot-Swappable battery design
- Cold start
- Intelligent fan speed regulation
- Programmable receptacles optional
- Versatile LCD human-computer interface, 3.5inch touch screen optional
- Multiple communication interface: RS232 (USB/EPO/Dry contact card /SNMP card optional)
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- PDU with maintenance bypass switch (Optional)
- IEC 62133 (Cell)/IEC 62619 (Pack)/UN 38.3 (Transportation) certificate



Multifunctional bracket



The LCD panel can be rotated (Touch screen is gravity sensing)



Optional socket



Dry contact card



SNMP



## Technical Specifications:

MODEL	LPRT 1K Li ST	LPRT 1.5K Li ST	LPRT 2K Li ST	LPRT 3K Li ST
Capacity	1000VA/1000W	1500VA/1500W	2000VA/2000W	3000VA/3000W
<b>INPUT</b>				
Nominal voltage	208/220/230/240Vac			
Input voltage range	110~300Vac (176~264Vac @ 100% load)			
Power factor	≥0.99			
<b>FREQUENCY</b>				
Frequency range	40-70Hz (50/60Hz Auto-Sensing)			
<b>OUTPUT</b>				
Output voltage	208/220/230/240Vac			
Voltage regulation	±1%			
Power factor	1.0			
Output frequency	46~54Hz/56~64Hz, synchronize with input			
Crest factor	Line mode	50/60±0.1Hz		
	Batt. mode	3:1		
Harmonic distortion (THDv)	≤3% Linear load			
	≤5% Non linear load			
Transfer time	AC mode to Batt.mode	0ms		
	Inverter to Bypass	4ms (Typical)		
Output waveform	Pure Sinewave			
<b>EFFICIENCY</b>				
AC mode	90.5%	91%	92%	92%
ECO mode	95%	95%	96%	96.5%
<b>BATTERY</b>				
Battery type	LiFePO4			
Backup time (Full load)	9 mins	7	9 mins	9 mins
Battery voltage	25.6Vdc	mins	76.8Vdc	76.8Vdc
Charge current (Max.)	48Vd		2A	
<b>INDICATORS</b>				
LED/LCD display	c			
<b>ALARM</b>				
Battery mode	Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault			
Battery low	Beeping every 4 seconds			
Overload	Beeping every second			
Fault	Beeping twice every second			
<b>PHYSICAL</b>				
Dimension W×D×H	Continuously beeping			
Net weight				
ENVIRONMENT	440×325×86.5mm	440×460×86.5mm	440×500×86.5mm	440×640×86.5mm
Operating temperature	10kg	13.5kg	16.5kg	23kg
Humidity range	0°C~40°C			
Altitude	0~95%RH (Non condensing)			
Noise level	0-3000m (1000-3000 derating required)			
<b>STANDARDS</b>				
Safety				
EMC	<50dB		<55dB	
<b>Transportation</b>				
1. Specifications are subject to change without prior notice	IEC/EN 62040-1, IEC/EN 62477-1, IEC 62133 (Cell), IEC 62619 (Pack)			
2. Data above are typical values for reference only, not as a basis for engineering design	IEC/EN 62040-2			
3. When output voltage is 208Vac, need to derate to 80% of the unit capacity	UN38.3			