

LEON UPS LPRT ST SERIES

#1 POWER OF UPS



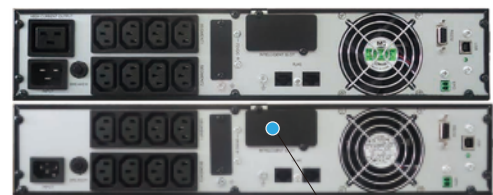
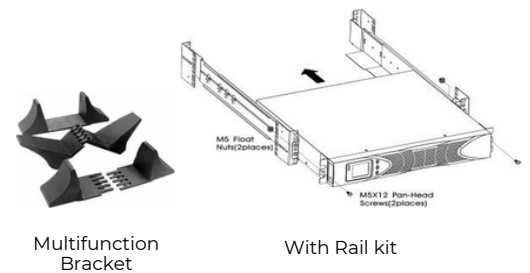
1:1 Phase PF 0.9 (PF 1.0 optional)

Power range: 1kVA~3kVA



Features

- Rack/Tower convertible design
- Online double conversion with full digital control
- 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
- Maximum charging current can be expanded to 12A (Long run unit)
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator compatible
- Hot-Swappable battery design
- Cold start
- Intelligent fan speed regulation
- Load segment settable (Optional)
- Versatile LCD human-computer interface
- Multiple communication interface: RS232, USB, build in SNMP card
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- PDU with maintenance bypass switch (Optional)





Technical Specifications:

MODEL		LPRT 1K ST				LPRT 2K ST				LPRT 3K ST							
Capacity		1000VA/900W				2000VA/1800W				3000VA/2700W							
INPUT																	
Nominal voltage		208/220/230/240Vac															
Input voltage range		110~300Vac (176~264Vac @ 100% load)															
Power factor		≥0.99															
FREQUENCY																	
Frequency range		40~70Hz (50/60Hz Auto-Sensing)															
OUTPUT																	
Output voltage		208/220/230/240Vac															
Voltage regulation		±1%															
Power factor		0.9															
Output frequency		46~54Hz or 56~64Hz															
Crest factor	Line mode	(50/60±0.1%)Hz															
	Bat. mode	3:1															
Harmonic distortion (THDV)		≤3% Linear load ≤5% Non linear load															
Transfer time	AC mode to Bat.mode	0ms															
	Inverter to Bypass	4ms (Typical)															
Output waveform		Pure Sinewave															
EFFICIENCY																	
AC mode		89%				91%				92%							
Battery mode		85%				87%				88%							
BATTERY																	
Battery number		2	3	2	3	4	6	4	6	6	8	6					
Capacity (Standard unit)		9Ah/12V (7Ah/12V optional)															
Typical recharging time		4 hours (To 90% of full capacity)															
Charging voltage		27.4Vdc±1% 41.1Vdc±1% 27.4Vdc±1% 41.1Vdc±1% 54.8Vdc±1% 82.2Vdc±1% 54.8Vdc±1% 82.2Vdc±1% 82.2Vdc±1% 109.6Vdc±1%															
Charging current (Max.)		6A/12A				1A				6A/12A							
INDICATORS		6A/12A				1A				6A/12A							
LED display		Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault															
LCD display		Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time															
ALARM																	
Battery mode		Beeping every 4 seconds															
Battery low		Beeping every second															
Overload		Beeping twice every second															
Fault		Continuously beeping															
PHYSICAL																	
Dimension W×D×H		440×325×86.5mm				440×600×86.5mm				440×600×86.5mm							
Net weight		5.6kg		11.3kg		14kg		10.5kg		19.5kg		25kg		11kg		26kg	
ENVIRONMENT																	
Operating temperature		0°C~40°C															
Storage temperature		-25°C~55°C															
Humidity range		20~95%RH @ 0~40°C (Non condensing)															
Altitude		<1500m, derating required when>1500m															
Noise level		<50dB at 1 Meter															
STANDARDS																	
Safety																	
EMC		IEC/EN 62040-1, IEC/EN 62477-1															
		IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2)															

1. When output voltage is 208Vac, need to derate to 80% of the unit capacity
2. Specifications are subject to change without prior notice
3. Data above are typical values for reference only, not as a basis for engineering design