

SPL9100RT - POWER SMART, RACKMOUNT ONLINE UPS

1kVA ~ 10kVA (120V)

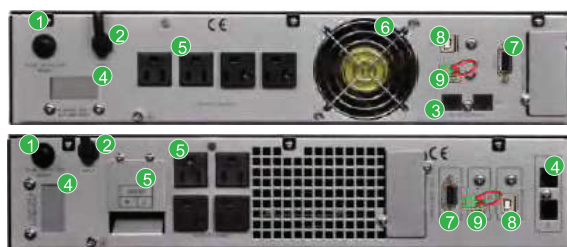
PF 0.9 - 1.0

Features

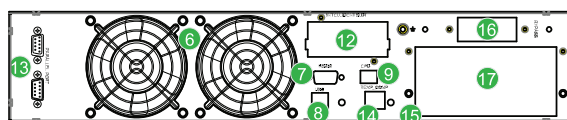
- Rack and tower convertible
- High frequency and true double-conversion
- DSP digital control technology
- Input power factor correction (PFC)
- Wide input voltage range
- Output power factor 1.0 on 6 ~ 10KVA
- Cold start
- Auto sensing frequency
- ECO mode operation for energy saving
Selectable output voltage via LCD
- Output bypass settable via LCD
Selectable battery low voltage via LCD
- Power-on self test
- Advanced battery management (ABM)
- Short circuit and overload protection
- Automatic charging in OFF mode
- Fan speed auto control when loads varies
- Standard RS232 communication port and RJ45 protection
- Optional USB / SNMP communication port
- Optional emergency power off (EPO)
- Optional extension battery bank
- Optional N+X redundancy parallel on 6 ~ 10KVA

Rear Panel

1. Overcurrent protection
2. AC input
3. Modem / Tel / Fax
4. DC input
5. Outlet
6. FAN
7. RS232
8. USB (Optional)
9. EPO (Optional)
10. SNMP / AS400 (Optional)
11. Parallel card (Optional)
12. Intelligent slot (Optional)
13. Parallel port (Optional)
14. Temperature detection (Optional)
15. GND
16. Bypass breaker
17. Terminal and Cover



1-3 kVA



6-10 kVA

Specifications

MODEL	SPL9101RT	SPL9102RT	SPL9103RT	SPL9106RT	SPL9110RT
Capacity	1KVA / 900W	2KVA / 1800W	3KVA / 2700W	6 kVA / 6000 W	10 kVA / 10000 W
INPUT					
Rated voltage	100 Vac / 110 Vac / 115 Vac / 120 Vac / 127 Vac			208 / 220 / 230 / 240 Vac	
Voltage range	50~ 80Vac (linear derating between 50% and 100% load); 80 ~ 150Vac (no derating);			110 ~ 176 Vac (linear derating between 50% and 100% load); 176 ~ 288 Vac (no derating)	
Frequency	45 ~ 55Hz ± 0.5% or 55 ~ 65Hz ± 0.5% (auto-sense)			50 / 60 Hz (auto-sensing)	
Power factor	≥ 0.98			≥ 0.99	
Bypass voltage range	(90 ~ 140) ±5Vac			- 40% ~ +15% (settable)	
OUTPUT					
Voltage	100 Vac / 110 Vac / 115 Vac / 120 Vac / 127 Vac (settable via LCD)			208 (PF=0.9) / 220 / 230 / 240 Vac Or 110 / 115 / 120 Vac (two groups, their phase angles different by 180°)	
Voltage regulation	± 1%			± 5%	
Frequency	Synchronized with utility in mains mode; 50 / 60 ± 0.2Hz in battery mode			Synchronized to bypass in mains mode; 50 / 60 Hz ± 0.1% Hz in battery mode	
Waveform	6 kVA / 4800 W				
Crest factor	3:1				
Harmonic distortion	≤ 3% (linear load);≤ 5% (non-linear load)			≤ 3% (linear load); ≤ 6% (non-linear load)	
Transfer time	Mains mode to battery mode : 0 ms Inverter mode to bypass mode:4 ms (typical)			Mains mode to battery mode: 0 ms Inverter mode to bypass mode: 0 ms	
Overload capability	105% ~ 150%:transfer to bypass in 30 s; > 150%: transfer to bypass in 300 ms			105% ~ 110% for 10 min, 110% ~ 125% for 1 min, 126% ~ 150% for 30 s	
BATTERIES					
DC voltage	24V	48V	72V	192 Vdc (192 ~ 240 Vdc settable)	
Inbuilt battery of standard model	2 × 9 Ah	4 × 9 Ah	6 × 9 Ah	12 V / 7 Ah × 16	12 V / 9 Ah × 16
Charging current	1A				
Typical recharge time	8 h				
SYSTEM					
Efficiency	≥ 90% in mains mode; ≥ 87% in battery mode; ≥ 94% in ECO mode			Max. 89.5% (max. 93% in ECO mode)	
Communications	RS232 (standard), USB / SNMP (optional)			RS232 (standard), USB / RS485 / dry contacts / SNMP / battery temperature compensation (optional)	
OTHERS					
Humidity	20 ~ 90% RH @ 0 ~ 40°C (non-condensing)			0 ~ 95% (non-condensing)	
Noise level	≤ 50dB (1m)			≤ 55dB (1m) ≤ 58dB (1m)	
Dimensions (mm) W×D×H	440×468×88	440×690×88		440 × 660 × 176 (UPS) 440 × 580 × 132 (transformer)	
Packaged dimensions (mm) W×D×H	530×590×170	530×825×170		554× 792× 418 (UPS) 511 × 683 × 192 (transformer)	
Net / Gross weight (kg)	12.0 / 13.5	28.5 / 30.0	33.5 / 35.0	58.0 / 68.0 49.0 (transformer)	63.0 / 73.0 69.0 (transformer)