



RELIABILTY Power Systems

REL2700IIRT 1 ~ 10KVA

True Online Dual Conversion UPS System

www.reliability-power.com

REL2700IIRT

1KVA ~ 10KVA
PF 0.9



1 ~ 3KVA

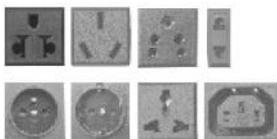


6 ~ 10KVA

Features

- Rack/Tower design
- High frequency and true double-conversion
- DSP digital control technology
- Input power factor correction (PFC)
- Wide input voltage range (110V~300V)
- Output power factor 0.9
- Cold start
- Auto sensing frequency
- ECO mode operation for energy saving
- Selectable output voltage via LCD
- Output bypass settable for 1,2,3KVA via LCD
- 50Hz/60Hz frequency conversion mode available on 6~10KVA
- 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



Optional sockets

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)



Specifications

MODEL		REL2700IIRT				
Capacity		1KVA / 900W	2KVA / 1800W	3KVA / 2700W	6KVA / 5400W	10KVA / 9000W
INPUT						
Rated voltage		208V / 220V / 230V / 240Vac				
Voltage range		Half load (115 ~ 295) ± 5Vac, full load (145 ~ 295) ± 5Vac			Half load (115 ~ 295) ± 5Vac, full load (165 ~ 295) ± 5Vac	
Frequency		45 ~ 55Hz ± 0.5%Hz or 55 ~ 65Hz ± 0.5%Hz (auto-sense)			40 ~ 70Hz ± 0.5% (auto-sense)	
Power factor		≥ 0.98			≥ 0.99	
Bypass voltage range		Rated output voltage - 34V ~ rated output voltage + 32V			160V ~ rated output voltage + 32V	
OUTPUT						
Voltage		208V / 220V / 230V / 240Vac (settable via LCD)				
Voltage regulation		± 1%				
Frequency		Synchronized with utility in mains mode; 50/60Hz ± 0.2Hz in battery mode				
Waveform		Sinusoidal				
Crest factor		3:1				
Harmonic distortion		≤ 3% (linear load); ≤ 5% (non-linear load)			≤ 2% (linear load); ≤ 5% (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% ~ 125%: transfer to bypass in 3 mins; 125% ~ 150%: transfer to bypass in 30 s; > 150%: transfer to bypass in 100 ms	
EFFICIENCY						
Mains mode		≥ 90%			≥ 92%	
Battery mode		≥ 87%			≥ 91%	
ECO mode		≥ 98%			≥ 98%	
BATTERIES						
DC voltage		24V	48V	96V	192V	
Inbuilt battery of standard model		2 × 9Ah	4 × 9Ah	8 × 9Ah	16 × 7Ah	16 × 9Ah
Charging current	Standard model	1A				
	Long time model	6A			1A / 3A / 5A / 8A	
Recharge time		8 h				
ALARM						
Utility failure		Beep / 4 s				
Low battery		Beep / 1 s				
Overload		Beep twice / 1 s				
UPS fault		Long beep				
COMMUNICATIONS						
RS232 (standard), USB (option)		Supports Windows® 98/2000/2003/XP/Vista/2008/ Windows® 7/8/10				
SNMP (option)		Power management from SNMP manager and web browser				
OTHERS						
Humidity		20~90% RH @ 0~40°C (non-condensing)				
Noise level		≤ 50dB (1m)			≤ 55dB (1m)	
Long time model	Dimensions (mm) W × D × H	440 × 468 × 88			440 × 555 × 132	
	Packaged dimensions (mm) W × D × H	530 × 590 × 170			535 × 660 × 215	
Standard model	Net/Gross weight (kg)	8.6 / 12.0	10.7 / 14.1	12.3 / 15.7	16.4 / 20.7	17.1 / 21.4
	Dimensions (mm) WxDxH	440 × 468 × 88	440 × 718 × 88		440 × 555 × 132 (UPS)	
					440 × 555 × 132 (BAT)	
	Packaged dimensions (mm) W × D × H	530 × 590 × 170	530 × 825 × 170		535 × 660 × 215 (UPS)	
					540 × 685 × 235 (BAT)	
	Net/Gross weight (kg)	14.3 / 17.7	23.4 / 26.8	29.7 / 33.1	16.4 / 20.7 (UPS)	17.1 / 21.4 (UPS)
					43.6 / 47.1 (BAT)	49.6 / 53.1 (BAT)

● Derate capacity to 70% in CUCF mode and to 90% when the output voltage is adjusted to 208Vac.
 ● S means standard model, H means long time model.

● All specifications subject to change without notice.
 ● Custom-made specifications are acceptable.

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