

Datenblatt - Fiche technique - Data sheet



ROLINE ProSecure III - Online USV

ROLINE ProSecure III - Onduleur Online

ROLINE ProSecure III - Online UPS

ROLINE ProSecure III

Tower and Rackmount Types

Technical Specifications

Power range 1KVA to 3KVA at PF=0.9 (Tower and 19" RT model)

GENERAL

Rated power 1000VA, 1500VA, 2000VA, 3000VA at PF=0.9
Technology On-line, double conversion topology with automatic bypass

INPUT

Phase Single phase with ground
Bypass voltage: 184-265 VAC (user selectable)
Input voltage range: 120/140/160/180 VAC-276 VAC
120V at 25% load, 140V at 50%, 160V at 75%, 180V at 100%

Frequency: 50/60 Hz. Auto selection
Frequency window from mains 45-65 Hz
Synchronization window ± 2.5 Hz.
Input current 1000VA 8.3A, 1500VA 8.3A, 2000VA 16.7A, 3000VA 25A
Input Power factor: 0.97
OUTPUT
Output Voltage: 220/230/240 VAC, selectable from LCD panel
Voltage regulation: $\pm 2\%$
Voltage distortion: $< 5\%$ THD at full non-linear load, $< 2.5\%$ THD at full linear load
Frequency regulation ± 0.25 Hz (battery or free running mode)
Dynamic response: $\pm 9\%$ max from 100% to 20 % or from 20% to 100 % linear load
Overload capacity: 106-120% 30 sec, 121-150% 10 sec
Efficiency: about 89%

WARNING:

"When power is supplied by external batteries, output toward loads must be limited to less than 90% of overall power generation."

ENVIRONMENTAL

Ambient temperature: $+0^{\circ}\text{C}$ to $+40^{\circ}\text{C}$
Recommended temperature: $+15^{\circ}\text{C}$ to $+25^{\circ}\text{C}$
Storage temperature: -15°C to $+50^{\circ}\text{C}$
Cooling: Forced air-cooling
Humidity: 0-95%, non-condensing
Audible noise: < 45 db normal and battery mode (1000VA, 1500VA)
 < 50 db normal and battery mode (2000VA, 3000 VA)

STANDARDS

Safety: EN62040-1-1
Emissions: EN62040-2
Immunity: EN62040-2 Category C1 (1000VA, 1500VA)
EN62040-2 Category C2 (2000VA, 3000VA)

HV Tower Model at P.F 0.9

OUTPUT POWER	1000VA/900W	1500VA/1350W
Connection Input	IEC 320 C14 (10A)	
Connection Output	4 x IEC20 C13	
Battery type	Lead-acid 12V/7AH	
Number of batteries	3	4
Backup time/full load	3~5 min	
Recharge time	<4 hours to 90%	
Dimensions W x D x H	152mm x 420mm x 238mm (6.0" x 16.5" x 9.4")	152mm x 500mm x 238mm (6.0" x 19.7" x 9.4")
Net Weight	13.5 kg (29.7 lb)	18.3 kg (40.3 lb)

OUTPUT POWER	2000VA/1800W	3000VA/2700W
Connection Input	IEC 320 C14 (10A)	IEC 320 C20 (16A)
Connection Output	8 x IEC 320 C13(10A), 1 x IEC 320 C19(16A)	
	6 x IEC320 C13, 1 x IEC 320 (16A)	
Battery type	Lead-acid 12V/7AH	
Number of batteries	6	8
Backup time/full load	3~5 min	3~4 min
Recharge time	<4 hours to 90%	
Dimensions W x D x H	225mm x 420mm x 358mm (8.9" x 16.5" x 14.1")	
Net Weight	26.5 kg (58.3 lb)	31.5 kg (69.3 lb)

19" Rack-Tower Model at P.F 0.9(2U)

OUTPUT POWER	1000VA/900W	1500VA/1350W
Connection Input	IEC 320 (10A)	
Connection Output	4 x IEC 320 (10A)	
Battery type	Lead-acid 12V/7AH	
Number of batteries	3	4
Backup time/full load	3~5 min	
Recharge time	<4 hours to 90%	
Dimensions W x D x H	428mm x 425mm x 84mm (16.9" x 16.7" x 3.3")	428mm x 500mm x 84mm (16.9" x 19.7" x 3.3")
Net Weight	15.2 kg (33.5 lb)	20.8 kg (45.8 lb)

OUTPUT POWER	2000VA/1800W	3000VA/2700W
Connection Input	IEC 320 (10A)	IEC 320 (16A)
Connection Output	4 x IEC 320 (10A), 1 x IEC 320 (16A)	
Battery type	Lead-acid 12V/7AH	Lead-acid 12V/9AH
Number of batteries	6	6
Backup time/full load	3~5 min	3~4 min
Recharge time	<4 hours to 90%	
Dimensions W x D x H	428mm x 635mm x 84mm (16.9" x 25" x 3.3")	
Net Weight	29 kg (63.8 lb)	29 kg (63.8 lb)

Battery Cabinets

		1000VA	1500VA	2000VA	3000VA
Battery type		Lead-acid 12V/7AH			
Number of battery	Tower	6	8	12	16
	RM2U	6	8	12	12
Backup time/full load (battery pack only)		Approx. 13~15min	Approx. 13~15min	Approx. 13~15min	Approx. 10~13min
Recharge time		<8 h to 90%			
Dimensions W x D x H	Tower	152 x 420 x 238	152 x 500 x 238	225 x 420 x 358	
	RM2U	428 x 425 x 84	428 x 500 x 84	428 x 631 x 84	
Net Weight	Tower	20kg	26kg	42kg	47.2kg
	RM2U	21kg	33.5kg	43.5kg	43.5kg