INFOSEC™
UPS SYSTEM

L'Énergie Sans Limite !
Safe Energy for Life !

Networks & critical applications, industrial environments

E7 NEW
ONE RT
From 1 to 10 kVA

E7 One UPS is a Online double conversion rack UPS. With a power factor of 1. The E7 One RT range is one of the best performing, most reliable and efficient in its class.

Unparalleled protection

Equipped with **Online Double Conversion technology**, E7 One RT range delivers perfect sinusoidal current to your telecommunications equipment or other sensitive industrial applications. It guarantees **total protection** for connected equipment against excess loads, surges and short circuits.

A **battery connector** on the rear panel allows the addition of backup modules dedicated to extending the backup time that must be available to the equipment to be protected. On the front side, a battery status display is available on the UPS screen.

The **versatile rack/tower design** of the E7 One RT makes it easy to use. It allows instantaneous integration and is available in a wide variety of environments: horizontally in "rack position", in a 19" bay server thanks to the rackmount brackets (included), or vertically in the "tower" position thanks to its floor standing system (included).

Essential features

- Hot-swappable batteries **to avoid interrupting the supply of critical and essential loads** during maintenance work
- Visual alarms and ring tones **to warn in case of problems**
- Cold start function **for troubleshooting in case of power outage**
- Automatic UPS restart when power is restored **for quick restart**
- Up to 3 UPSs can be connected in **redundant parallel** mode (N+X) in order to have a capacity of 30kVA (optional from 5kVA models).

Power factor of 1
Powerful built-in battery chargers (1 to 3kVA)
Programmable outlets (1 to 3kVA)

E7 One RT 1 à 3kVA - Rack format

E7 One RT 1 à 3kVA - Tower format

WARRANTY 2 YEARS ANS GARANTIE

On Line Double Conversion Technology

Rack/Tower convertible

LCD

LCD control screen

Remote control soft-ware

Extended backup time

ADVANTAGES

Power factor of 1

- Optimal output power factor : 1
- High performance
- Efficiency for critical applications

User's friendly LCD screen

- Accurate and user-friendly LCD screen displays status and parameters in real time
- Intuitive and multi-directional : allows both Tower and Rack-mount
- Rotating front panel LCD display : gives direct access to UPS settings (adjusting output voltage...)
- Simple programming from the front panel LCD screen enables the frequency to be set to 50 or 60 Hz.

EPO emergency stop control

- This UPS is equiped with an EPO connector thanks to which EPO button can be installed.
- This function ensures the safety of personnel and equipment in the event of fire or any other emergency situation by initiating a total and immediate shutdown of the UPS.

Cold start function

- It enables an emergency situation involving a total power cut to be overcome by starting the UPS using batteries if there is no mains power supply.

Powerful built-in battery charger

- The UPS in the E7 One RT 1,000 to 3,000 VA series are equipped with powerful built-in chargers to meet the needs of extended backup time.

Ecran LCD E7 One RT 1 à 3kVA

Programmable outlets

Programmable outlets allow users to easily control different load groups separately. It will therefore be possible to increase the backup time on the most strategic and vital hardware, during a power outage, by stopping non-critical hardware connected to programmable outlets. These outlets are easy to manage via the LCD display and/or Infopower software.

Extended backup time

Additional backup modules meet the needs of demanding unstable or highly disturbed environments.

Backup module E7 One RT from 1 to 3kVA (2U)

Backup module E7 One RT 5/6kVA (2U)

Backup module E7 One RT 8/10kVA (3U)

COMMUNICATION

Communication software

- InfoPower control software (free download on the website)
- If there is no power : the UPS close the files automatically and in doing so save data from all the PCs in a network
- The communication software offers a graphic interface to view system status, various

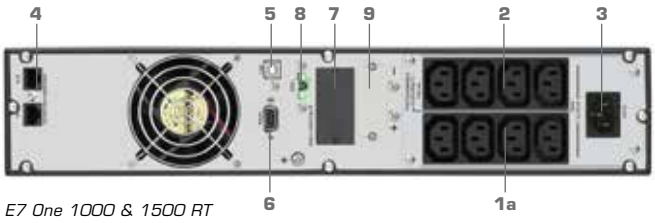
measurements, events log, etc.

Adequate connectivity

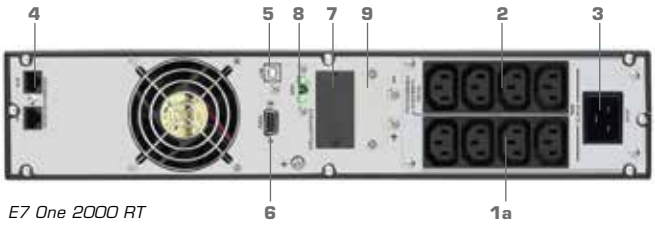
- USB or 232 port for communication between the UPS and the various protected computer stations and servers
- SNMP slot for adding a SNMP agent (optional)

CONNECTION

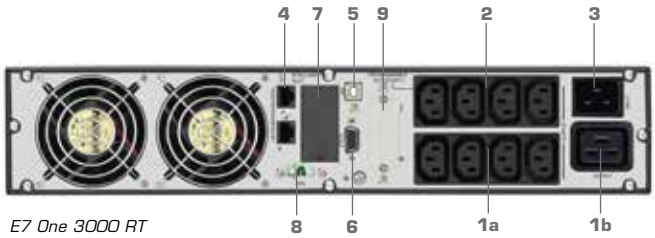
Connectivity adapted to industrial environments



E7 One 1000 & 1500 RT



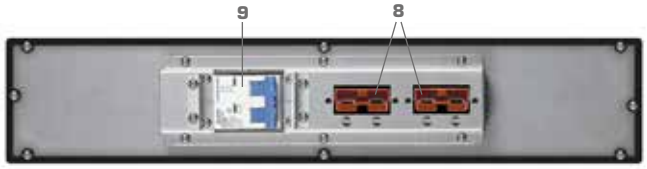
E7 One 2000 RT



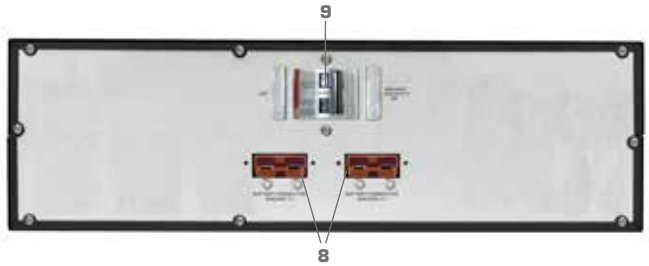
E7 One 3000 RT

1 a. 10A output outlets: these are connected to essential outputs
b. 16A output outlets: these are connected to essential outputs
2 Programmable outlets: these are connected to non-essential outputs.
3 Power supply
4 Surge protection on phone/fax/network/modem
5 USB communication port
6 RS-232 communication port
7 SNMP intelligent Slot
8 Emergency power off (EPO) connector
9 External battery connector

E7 One 5k/6k/8k & 10k RT



Module d'autonomie E7 One 5/6k RT (2U)



Module d'autonomie E7 One 8/10k RT (3U)

1. SNMP intelligent Slot
2. RS232 communication port
3. USB communication port
4. Emergency power off (EPO) connector
5. Input circuit breaker
6. Input/output terminal block
7. Manual bypass switch for maintenance
8. Battery connector
9. Backup module circuit breaker
10. Share port (optional)
11. Parallel port (optional)

OPTIONS

SNMP I Pro agent

The use of SNMP agent with E7 One RT UPS devices makes it easier to manage the UPS due to its many special features:

- Connection to the Ethernet network and identification by IP address (random or fixed)
- Low battery detection.
- Configuring and programming switch-off and restarts of the system on a weekly (or other) basis.
- UPS configuration locally or remotely.
- Self-diagnosis of the UPS devices while operating.
- Automatic shutdown according to pre-defined priorities on network PCs.
- Sending warning messages to users of the network / mail / GSM, etc.
- Events log.

Minislot SNMP vm Agent for Virtual Network Management

The SNMP vm Minislot agent facilitates network UPS management and virtual environments (vmWare©, Hyper V©, etc.). Associated with RCCMD appliance, it makes it possible to control the starting and stopping of the virtual servers and their associated equipment.

Backup module

Several backup modules are available in rack format (2U or 3U) They allow adjusting the backup time necessary for the equipment to be protected.

AS400 dry contact card

The AS400 communication card supplies dry contacts to feedback alarms from your UPS (e.g. centralized technical management).

Depending on the applications, dry contacts may normally be open or closed.

Rack kit

Enables securing to a patch bay

External maintenance bypass (BMe)

- Provides continuous power to connected equipment during maintenance of the UPS via a rotary switch.
- Provides a large number of outlets for extended use.
- Rack or Tower model depending on the working environment (1 to 3 kVA).
- Simple installation (plug and play for models from 1 to 3 kVA).
- Available for all UPS devices from 1 to 10 kVA.

TECHNICAL CHARACTERISTICS

GENERAL CHARACTERISTICS

	E7 One 1000 RT	E7 One 1500 RT	E7 One 2000 RT	E7 One 3000 RT	E7 One 5000 RT	E7 One 6000 RT	E7 One 8000 RT	E7 One 10k RT
Technology	On Line Double Conversion							
Power (VA/W)*	1,000VA* 1,000W	1,500V 1,500W	2,000VA 2,000W	3,000VA 3,000W	5,000VA 5,000W	6,000VA 6,000W	8,000VA 8,000W	10kVA 10 kW

PHYSICAL FEATURES

Dimensions & Weight	**Dimensions L/D x W x H (mm) - UPS**	410 x 438 x 88 (2U)		510 x 438 x 88 (2U)	630 x 438 x 88 (2U)	610 x 438 x 88 (2U)		
	Dimensions L/D x W x H (mm) - Backup module	-	-	-	-	740 x 438 x 88 (2U)	630 x 438 x 133 (3U)	
	Net weight (kg): UPS	11.6	15.5	19.5	27.5	17	20	
	Net weight (kg): Back-up module	-	-	-	-	47	63	

INPUT

Rated voltage	100/110/115/120/127VAC (LV) / 200/208/220/230/240VAC (HV)					208/220/230/240VAC		
Voltage range	55-150VAC ± 5% @ 50% load/80-150VAC ± 5% @ 100% load (LV) 110-300VAC ± 5% @ 50% load/160-300VAC ± 5% @ 100% load (HV)					110~300VAC @(0~60%) of load 140~300VAC @ (60~80%) of load 176~300VAC @(80~100%) of load		
Frequency range	40Hz ~ 70Hz					46~54Hz / 50Hz / 56~64Hz / 60Hz		
Power factor	>= 0.99 @ rated voltage (100% load)					>= 0.99 @ full load		
Harmonic distortion	<=5% @ rated input voltage					< 4% @100% load < 6% @50% load		

OUTPUT

Voltage	100*/110*/115*/120/127VAC (LV) or 200*/208*/220/230/240VAC (HV)					208*/220/230/240VAC		
Voltage control (battery mode)	± 1%							
Frequency range (synchronized range)	57 ~ 63Hz or 47 ~ 53Hz					46~54Hz / 50Hz / 56~64Hz / 60Hz		
Frequency range (battery mode)	60Hz ± 0.1Hz or 50Hz ± 0.1Hz					50Hz ± 0.1Hz or 60Hz ± 0.1Hz		
Crest factor	3:1 (max.)							
Harmonic distortion	<=2% THD (Linear load) <=4% THD (Non linear load)					<=1.5% THD (Linear load) <=7% THD (Non linear load)		
Transfer time – **Mains mode or battery mode**	Zero					Zero		
Transfer time – **Bypass UPS**	4ms (Typical)					Zero		
Waveform	Pure sinusoidal							
Standard/programmable IEC output outlets	4 (10A) + 4 (10A)			4 (10A) & 1 (16A) + 4 (10A)		Terminal		

EFFICIENCY

Mains mode	>= 89% @ full battery charge		>= 91% @ full battery charge			94%		
Battery mode	>=96% @ full battery charge					91%		
Eco mode	>= 88%		>= 90%			-		

BATTERY

Rated voltage	27.4VDC ± 1%	41.1VDC ± 1%	54.8VDC ±1%	82.1VDC ± 1%		218.4VDC ± 1%		
Recharge time	3 hours at 95% capacity for batteries @ 2A charge current					9 hours at 90% capacity		
Charge current (max)	12A			8A		4A		
Cold start-up	Yes							
Backup time	5 to 30 minutes depending on the connected load							

BYPASS

Static bypass	Yes							
Manual bypass	Option							

INDICATORS & ALARMS

LCD screen	Charge level, battery level, mains mode, battery mode, bypass mode, fault indicator.							
Sound alarms	Battery mode, low battery, excess load, fault							

MANAGEMENT/COMMUNICATION

Communication	USB and RS232 port & Infopower software included (Windows family, Linux, Unix and MAC compatible)							
SNMP	Option: power management from SNMP (VMware® compatible, Hyper V™) and Internet browser							
Parallel connector	-					Option		
EPO/CPAU connector	Yes							

ENVIRONMENT

Ideal environment	20 to 90% relative humidity @ 0-40°C without condensation							
Noise level	less than 50dBA at 1 metre				less than 55dBA at 1 metre		less than 58dBA at 1 metre	
Altitude of operation	< 1,000m at rated power (> 1,000m 1% downgrade every 100m - max 4km)							
Max heat dissipation	100W/341.18 BTU/h	150W/511.5 BTU/h	200W/682.36 BTU/h	270W/921.19 BTU/h	336W/1,147.57BTU/h		563W/1,923.08BTU/h	

STANDARDS

Standard (HV)	CE RoHS							
EMC (electromagnetic compatibility)	EN62040-2: 2006+AC: 2006							
Low voltage (safety)	EN62040-1:2008+A1:2013							

SALES INFORMATION

Warranty	2 years							
References	67333	67334	67335	67336	67346	67337	67347	67338

* Power reduction up to 80% of rated power when the output voltage is adjusted to 100VAC / 200VAC / 208VAC (1,000VA to 3,000VA models).
Power reduction up to 60% of rated power when the output voltage is adjusted to 208VAC (6,000 and 10kVA models).
If the UPS is installed or used in a location where the altitude is greater than 1,000m, the output power shall be reduced by 1% per 100m.
LV (110V) and HV (230V) are two different products
Product specifications may change without prior notification.

BACKUP MODULES

	E7 One 1000 RT		E7 One 2000 RT	E7 One 3000 RT	E7 One 5/6k RT	E7 One 8/10k RT
Dimensions - L/Dxwxh (mm)	515 x 438 x 88		515 x 438 x 88	635 x 438 x 88	740 x 438 x 88	630 x 438 x 133
Net weight - kg (empty battery cabinet)	9		9	11	13.4	13
Net weight - kg (full battery cabinet)	22.4	31.1	31.1	46.2	47	63
References	67402	67403	67406	67409	67187	67189

E7 ONE RT

From 1 to 10 kVA

Package content

- 1 UPS
- 1x USB cable
- 1 power cable type FR/SCHUKO (model 1 to 3 kVA)
- 1 IEC 10A output cable (model 1 to 3 kVA)
- 2 19" Rackmount Bracket
- 1 floor standing system
- 1x user manual
- 1x Infopower software
- 1 battery cable (> 5kVA)

Options

- Rack kit (ref: 61429)
- SNMP I Pro card (Ref: 61156)
- SNMP vm Minislot card (ref. 61142)
- Dry contact card (Ref: 61454)
- Modbus card (ref: 61439)
- External Bypass:

Désignation	Réf
External Bypass RM-IEC	61442
External Bypass RM-FR	61443
External Bypass E7 5-10k	61444

- Additional backup modules (see table)
- Parallel Kit (5-10k) (ref. 67910)

Warranty

Two-year warranty against manufacturing defects under normal conditions and compliance with precautionary measures.

Warranty to be taken out on www.infosec-ups.com within 10 days of purchase.

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