



UPS

Networks & sensitive applications - Industrial environments

The E4 Pro One are **On Line Double Conversion UPS** in tower format with an output power factor of **1**. They provide top-of-the-range protection in the most demanding environments, where **performance** and **reliability** are required in all circumstances.



On Line Double Conversion technology

Perfect solution for sensitive applications

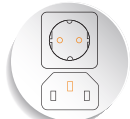
- Industry
- Data Center
- Banking & airports



USB & RS232 ports



Up to 3 UPS can be paralleled*



IEC and FR/Schuko outlets



Extended autonomy possible

The best-performing protection

- On Line Double Conversion technology: provides a perfect sinusoidal current
- Compact tower format facilitates integration into the most demanding environments
- External battery connector on rear panel for adding battery modules (from 2000 VA)
- Battery status displayed on the UPS screen
- Power factor of 1



E4 Pro One 1000 to 3000 VA



E4 Pro One 5 to 10 kVA

Key advantages

- IEC and FR/Schuko outlets for maximum versatility (from 1000 to 3000 VA)
- Visual and audible alarms to warn of power failure
- Up to 3 UPS can be installed in redundant parallel mode (N+X) to provide a maximum capacity of 30 kVA*.
- Cold start function, ideal for troubleshooting in the event of mains failure
- Powerful integrated battery charger from 1 to 4A (from 5 kVA)

*From 5 kVA (option)

Advantages

Power factor of 1

- Optimum output power factor
- High level of **performance**
- High **efficiency** for critical applications

High-performance LCD screen

- **Precision** : real-time status and parameter values
- **Intuitive LCD display** on the front panel: direct access to UPS settings to make it easier to modify operational modes (output voltage settings, etc.)
- 50 or 60 Hz **frequency** setting (simple parameter setting from the LCD screen)

EPO/CPAU emergency stop command

This port is used to install an **EPO** (Emergency Power Off) button for the **safety** of personnel and equipment in the event of an emergency, and enables the UPS to be shut down completely and immediately.

Cold start function

If the mains power supply is **completely cut off**: supplies emergency power to a load by starting the UPS from **battery** power.

Powerful integrated battery charger

The E4 Pro One range of 5 to 10 kVA UPS are equipped with powerful **integrated chargers** for rapid battery recharging.



Programmable outlets

Different groups of loads can be controlled easily and independently. If there is a power cut, non-critical equipment can be disconnected from the UPS to maximise the autonomy of the most critical equipment. These outlets are easily managed via the LCD display and/or the InfoPower software. The programmable outlets are in FR/Schuko and IEC format.

Appropriate connections

- USB or RS232 ports for communication between the UPS and the various protected workstations and servers
- SNMP slot for adding an SNMP agent (optional)

Communication

InfoPower communication software

- InfoPower control software can be downloaded from the product page of our website : <https://www.infosec-ups.com/en/infopower>
- Automatic shutdown via files when mains power is cut
- Intuitive graphical interface: Displays system status, various measurements, event history, etc.



Autonomy extensions



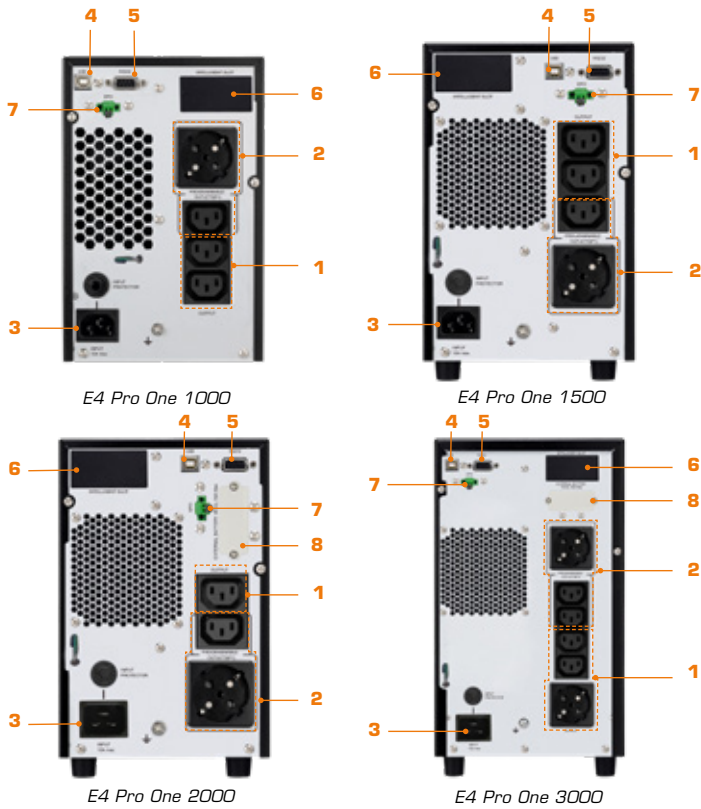
*E4 Pro One 2 to 3 kVA
autonomy module*

*E4 Pro One 5 to 10 kVA
autonomy module*

Complementary autonomy modules enable unstable or highly disturbed environments to be stabilised by offering an extended autonomy time (from 2000 VA).

Connectivity

Connectors adapted to industrial environments



- | | |
|---|--|
| <ul style="list-style-type: none"> 1 Output outlets : these are connected to the essential outputs 2 Programmable outlets : these are connected to the non-essential outputs 3 Power inlet 4 USB communication port | <ul style="list-style-type: none"> 5 RS232 communication port essential outputs 6 SNMP slot 7 Emergency stop function (EPO) 8 External battery connector |
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Options

Agent SNMP I Pro

Using the SNMP agent with E4 Pro One UPS makes it easier to manage the UPS via the local network thanks to its many features :

- Connection to the **Ethernet network** and identification by **IP** address
- Low battery detection
- Configuration and programming of weekly system shutdowns and restarts, etc.
- Local or remote UPS parameterisation
- **Self-diagnosis** of UPS in operation
- Sends alert messages to network users



CS141 Mini-6 VM SNMP Agent

- Facilitates UPS management in **network** and **virtual environments** (VMware®, Hyper V™ etc)
- Shuts down virtual servers and their associated equipment



Battery modules

Various back-up modules are available. They increase the necessary autonomy of the equipment to be protected (from 2000 VA).

AS400 dry contact card

- Provides dry contacts for reporting alarms from your UPS
- Dry contacts can be normally **open** or normally **closed**



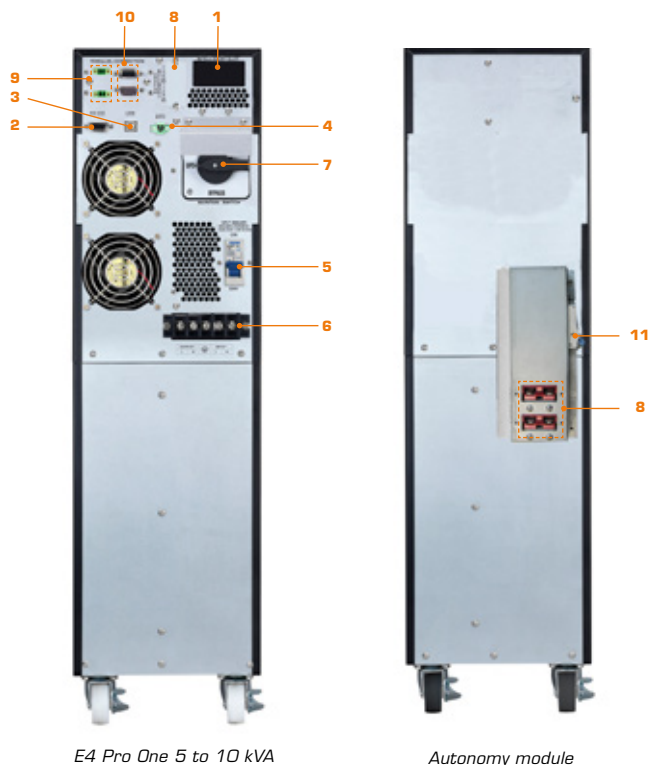
EMD

This UPS environmental **sensor** enables remote monitoring of the E4 Pro One's room **temperature** and **humidity**.

This sensor works by connecting to the SNMP card, and can also be used to send dry contacts, making it compatible with security or alarm systems.

Modbus card

An optional Modbus card can be added to enable the E4 Pro One UPS to **communicate** with installations using industrial protocols over long **distances**.



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|--|--|
| <ul style="list-style-type: none"> 1 SNMP slot 2 RS232 communication port 3 USB communication port 4 Emergency stop function (EPO) connector 5 Input circuit breaker 6 Input/output terminal block | <ul style="list-style-type: none"> 7 Maintenance bypass 8 External battery connector 9 Power sharing port (optional) 10 Parallel port (optional) 11 Autonomy module circuit breaker |
|--|--|

Technical specifications



From 1 to 10 kVA

E4 Pro One 1000	E4 Pro One 1500	E4 Pro One 2000	E4 Pro One 3000	E4 Pro One 5000	E4 Pro One 6000	E4 Pro One 8000	E4 Pro One 10k
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GENERAL FEATURES

Technology	On Line Double Conversion							
Power (VA/W)*	1000 VA 1000 W	1500 VA 1500 W	2000 VA 2000 W	3000 VA 3000 W	5000 VA 5000 W	6000 VA 6000 W	8000 VA 8000 W	10 kVA 10 kW

PHYSICAL FEATURES

Dimensions & Weights	Dimensions (L x W x H) (mm)	282 x 145 x 220	397x 145 x 220	421 x 190 x 318	442 x 190 x 688	442 x 190 x 688		
	Net weight (kg)	9.8	13.8	17	26.2	66	66	75

INPUT

Nominal voltage	208*/220/230/240 Vac	
Voltage range	110-300 Vac \pm 3% at 50% load / 176-300 Vac \pm 3% at 100% load	
Frequency range	40Hz ~ 70 Hz	46 ~ 54 Hz / 56 ~ 64 Hz
Power factor	\geq 0.99 @ full load	
Harmonic distortion	< 5% @100% load	< 4% @100% load

OUTPUT

Voltage	200/208*/220/230/240 Vac	208*/220/230/240 Vac
Voltage regulation (battery mode)	\pm 1%	
Frequency range (synchronised range)	46 ~ 54 Hz / 56 ~ 64 Hz	
Frequency range (battery mode)	50 Hz \pm 0.1 Hz ou 60 Hz \pm 0.1 Hz	
Crest factor	3:1 (max.)	
Harmonic distortion	\leq 2% THD (Linear load) \leq 4% THD (Non-linear load)	\leq 1% THD (Linear load) \leq 4% THD (Non-linear load)
Transfer time	Mains to battery mode	0 ms
	Bypass to UPS	4 ms
Waveform	Pure sinusoidal	
Connection	1 FR/Schuko outlet + 3 IEC outlets	2 FR/Schuko outlets + 4 IEC outlets
		Connection terminals

EFFICIENCY

Mains mode	92%	92%	93%	94%	94%
Battery mode	86%	97%	87%	97%	91%
Eco mode	96%	97%	97%	97%	99%

BATTERY

Nominal voltage	24 Vdc	36 Vdc	48 Vdc	72 Vdc	192 Vdc	240 Vdc
Recharge time	4 hours at 80% capacity					
Load current (max)	1.5A			1A to 4A		
Cold start	Yes					
Operating time	5 to 30 minutes depending on the connected load					
External battery connector	No			Yes		

BYPASS

Static bypass	Yes
Manual bypass	Optional

INDICATORS & ALARMS

LCD display	Charge level, battery level, mains mode, battery mode, bypass mode, fault indicator
Audible alarms	Battery mode, low battery, overload, fault

MANAGEMENT / COMMUNICATION

Communication	USB and RS232 ports & downloadable Infopower software (Windows family, Linux, Unix and MAC compatible)	
SNMP	Option (VMware®, Hyper VTM compatible)	
Parallel connector	No	Optional
EPO/CPAU connector	Yes	

ENVIRONMENT

Ideal environment	20 to 90% relative humidity @ 0-40° non-condensing					
Noise level	less than 50 dBA at 1 metre	less than 55 dBA at 1 metre	less than 58 dBA at 1 metre			
Operating altitude	< 1000m at rated power (> 1000m derating of 1% every 100m - max 4km)					
IP protection	IP 20					
Heat dissipation	297 BTU/H	445 BTU/H	514 BTU/H	654 BTU/H	1089 BTU/H	1307 BTU/H
					1743 BTU/H	2178 BTU/H

NORMS

Standard (HV)	CE RoHS
EMC (electromagnetic compatibility)	EN62040-2
Low voltage (safety)	EN62040-1

SALES INFORMATION

Warranty	2 years							
References	67689	67690	67691	67692	67629	67630	67631	67632

E4 Pro One 2000	E4 Pro One 3000	E4 Pro One 5000	E4 Pro One 6000	E4 Pro One 8000	E4 Pro One 10k
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BATTERY MODULES

Dimensions - LxWxH (mm)	220 x 145 x 397	318 x 190 x 421	442 x 190 x 688		
Net weight - kg (when full)	27	42	95	115	
References	67279	67281	67283	67284	

Package contents

- 1 UPS
- 1 input power cable¹
- 2 IEC output cables¹
- 1 USB cable
- 1 user manual
- 1 Infopower software (downloadable)

¹ E4 Pro One 1000 to 3000 VA

Options

Description	Ref
SNMP I Pro Agent	61156
SNMP VM CS141Mini-6 Agent	61848
Dry contacts card (AS 400)	61454
Modbus card	61439
Temperature and humidity sensor	61452
Parallel kit (5-10k)	67910
Bypass Externe BMe 1 IEC (1-3k)	61440
Bypass Externe BMe 1 FR (1-3k)	61441
Smart Charger S - 24VDC	61139
Smart Charger S - 48VDC	61140
Smart Charger S - 72 VDC	61141

Warranty

2-year warranty against manufacturing defects under normal use and in accordance with the instructions for use.



Warranty to be registered on the internet website within 10 days of purchase.

Maintenance contract

A maintenance contract is highly recommended.

Contact : hotline@infosec.fr

Find out more about our services



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