



L'Énergie Sans Limite !
Safe Energy for Life !



Networks & critical applications - Industrial Environments

E4 LCD Pro

From 10k to 20k VA

E4 LCD Pro TM range is the ideal Tri/Mono solution designed to protect the strategic and critical high-power loads. It provides installations with the essential functionalities together with an optimum electrical protection.

● A technology fit to critical environments

E4 LCD Pro TM range is equipped with the On Line Double Conversion controlled by a microprocessor, and delivers a perfect sinewave output current and provides thorough and effective protection to critical devices. In order to protect the most critical equipment and fit the industrial needs, E4 LCD Pro TM are equipped with the IGBT latest generation on their rectifier / inverter circuits.

● Smart features

- **Cold start function:** in case of an emergency situation involving a total power cut to be overcome by starting the UPS using batteries without the mains power supply.
- **UPS controlled by a microprocessor:** provides a wide range of input voltage, an input power ratio of more than 95 %, little harmonic distortion and effective noise reduction.
- **Emergency Power Off (EPO):** ensures the safety of personnel and hardware in the event of fire or any other emergency situation by triggering the total and immediate shutdown of the UPS.
- **Maintenance Bypass:** included as standard with the Static Bypass, this feature allows to permanently feed the connected equipment during maintenance operations.

● Practical design



UPS status is seen at a glance on an intuitive LCD screen. The UPS is controlled by a simple control panel on the front with 3 or 4 buttons: ON/OFF, operating mode configuration, voltage setting, programmable outlet setting...

● Communication

USB or RS 232 communication ports and SNMP interface enable an E4 LCD Pro TM UPS to communicate with the various stations and IT servers it is protecting. The multiple communications function should be noted: USB or RS232 ports can therefore operate simultaneously with the SNMP interface.

● Extended backup time version

Exist in long-autonomy version, without an internal battery but with external battery packs.



E4 LCD Pro TM
10-20 k VA



On Line Double
Conversion Technology



LCD Control screen



USB, RS232 & SNMP
communication ports



Remote control
software



Extended backup time
version available

TECHNICAL FEATURES



From 10 to 20 kVA

E4 LCD PRO 10k VA TM (S)	E4 LCD PRO 15k VA TM (S)	E4 LCD PRO 20k VA TM (S)
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GENERAL SPECIFICATIONS

Technology	On Line Double Conversion		
Power (VA)	10 000 VA	15 000 VA	20 000 VA
Power (W)	8 000 W	12 000 W	16 000 W
Power factor	0,8		

PHYSICAL CHARACTERISTICS

Standard	Dim. D x W x H (mm) - UPS	442 x 190 x 668		815 x 250 x 826
	Net weight (kg)	76	78	145
Long Backup time (S)	Dim. D x W x H (mm) - UPS	442 x 190 x 318		575 x 190 x 318
	Net weight (kg)	15	16	19

INPUT

Voltage	3 x 400 VAC (3 Ph + N)
Voltage range	190-520 VAC (3-phase) @ 50% load 305-520 VAC (3-phase) @ 100% load
Frequency range	46 Hz ~ 64 Hz
Phase	Three phase / Single phase
Power factor	> 0,8 @ 100% load

OUTPUT

Voltage	208/220/230/240 VAC	
AC voltage regulation (Batt mode)	+/- 1%	
Frequency range (Synchronized range)	46 Hz ~ 64 Hz	
Frequency range (Batt mode)	50 Hz +/- 0,1 Hz or 60 Hz +/- 0,1 Hz	
Current crest ration	3 : 1	
Harmonic distortion	<= 3% THD (Linear Load); <= 5% THD (Non-linear Load)	
Transfer time	Line mode to battery mode	0 ms
	Inverter to Bypass	0 ms
Waveform	Pure sinewave	

RENDMENT

AC mode	>= 91%
Battery mode	>= 91%

BATTERIE

Standard model	Typical recharge time	9 hours recover to 90% capacity	
	Charging current (max)	1A by default, adjustable at 1A / 2A / 4A	2A by default, adjustable at 1A / 2A / 4A
	Backup time	Depending on the connected load	
Long backup time model (S)	Typical recharge time	Depending on the capacity of external batteries	
	Charging current (max)	4A by default, adjustable at 1A / 2A / 4A	

DISPLAY

LCD screen	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicator
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AUDIBLE ALARMS

Battery mode	Sounding every 4 seconds
Low battery	Sounding every second
Overload	Sounding twice every second
Fault	Continuously sounding

MANAGEMENT / COMMUNICATION

Communication	USB & RS232 port and Infopower included software (supports Windows family, Linux and MAC) Optional SNMP Pro I : power management from SNMP manager (VMware compatible) and web browser
EPO connector	Yes

ENVIRONMENT

Moisture	< 95% of relative humidity @ 0°-40° C without condensing
Altitude de fonctionnement	< 1000 m (>1000 m derating of 1% every 100 m)
Niveau sonore	Less than 58dBA @ 1 meter Less than 60dBA @ 1 meter

NORMS

Standard	CE RoHS
Electromagnetic compatibility	EN 62040-2:2006+AC:2006
Low Voltage Directive	EN62040-1:2008+A1:2013

SALES INFORMATION

Warranty	2 years		
References - standard versions	67508	67509	67517
References - Long backup time version (S)	67518	67519	67520

S models are extended backup time UPS devices without internal batteries.

Communications solutions and remote management

USB & RS232, SNMP & EPO communication ports

Software:

- Simple user interface
- UPS startup and shutdown programming
- Data and events record enabling daily maintenance
- E-mail messaging to manage UPS status at all times via the local network
- Free download from the website

Package content

- 1 UPS
- 1 RS 232 cable
- 1 USB cable
- 1 user manual
- Infopower Software

Options

Model	Ref
SNMP Pro I card	61156
SNMP vm Minislot card	61142
Dry contacts cards	61454
RS 485 card	61439
External battery banks	NC
EMD (Environment measure device)	61452
Maintenance contracts	-

Warranty

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

Warranty to be taken out on our website within 10 days of purchase.



Maintenance contracts

A maintenance contract is highly recommended. Contact: hotline@infosec.fr



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