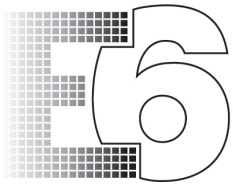




L'Énergie Sans Limite !
Safe Energy for Life !



Network & Critical Application



LCD TM RM

Rack mount UPS E6 LCD TM RM range are dedicated to protect 3 phases (in)/1 phase (out) systems in industrial environments.

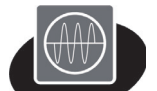
10-15-20 KVA

Rack UPS, E6 LCD TM RM provide a high level of performance and reliability. Available in long run, they allow all configurations 3P / 1P from 10 to 20 KVA.



The most reliable technology

The On Line Double Conversion Technology controlled by DSP (Digital Signal Processor) delivers a perfect sinusoidal output current and provides an effective protection. With a high power factor (0.8), E6 LCD TM RM UPS generate the high performances expected for strategic applications.



On Line Double Conversion Technology

An Evolutive Solution

Ideal solution for data centers from 10 KVA up to 20 KVA, E6 LCD TM RM are rack-mountable UPS. As in option, it can connect up to 3 UPS in redundant parallel mode (N+X) and thus increase the capacity up to 60 KVA. It can be settable in 1P-1P directly via the setup menu by the installer.



Redundant parallelizable (option)

A user friendly design

An intuitive LCD screen allows instant view of the UPS status. A simple panel control with 4 buttons : ON/OFF, configuration of the operating mode, operating voltage...



LCD screen

Eco mode

Efficiency of up to 96% allows energy and costs savings. In this case, even in static bypass power supply mode, the UPS can automatically go back to On-Line Double Conversion if required.



Available in long run

Essential advantages

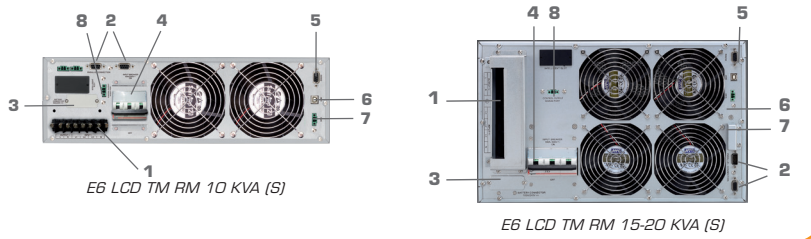
- Hot swappable batteries enable an uninterrupted supply to critical and key loads during maintenance works
- Visual and audible alarms to warn in event of a problem
- Cold Start function if there is no mains power
- UPS automatic restart when mains power is restored



Eco Mode

CONNECTION

1. Input/Output terminal
2. Parallel port
3. External battery terminal (long run models)
4. Input circuit breaker
5. RS 232 communication port
6. USB communication port
7. Emergency Power off function connector (EPO connector)
8. External maintenance bypass switch port



De 10 à 20 KVA

GENERAL CHARACTERISTICS

	E6 LCD TM RM 10K (S)	E6 LCD RT RM 15K (S)	E6 LCD TM RM 20K (S)
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Technology	On Line Double Conversion High Frequency		
Power	10 kVA	15 kVA	20 kVA
Power factor	0.8	0.8	0.8

PHYSICAL CHARACTERISTICS

Standard Model	Dimensions DxWxH (UPS)	745 x 440 x 133 (3U)	745 x 440 x 266 (6U)
	Dimensions DxWxH (Battery Pack)	640 x 440 x 133 (3U)	640 x 440 x 133 (3U) x 2
Long-run Model (S)	Weight (kg)	22 + 65	45 + 65 x 2
	Dimensions DxWxH	745 x 440 x 133 (3U)	745 x 440 x 266 (6U)
Weight (kg)	22	45	

TECHNICAL INPUT CHARACTERISTICS

Nominal voltage	3 x 400 VAC (3Ph + N) or configurable in 3P-1P*		
Low Voltage Range (P-N)	Battery mode transfer	176 VAC (phase voltage) ± 3 % @ 100% load 110 VAC (phase voltage) ± 3 % @ 50% load	
	Low line comeback	186 VAC (phase voltage) ± 3 % @ 100% load 120 VAC (phase voltage) ± 3 % @ 50% load	
High Voltage Range (P-N)	Battery mode transfer	300 VAC (phase voltage) ± 3 %	
	High line comeback	290 VAC (phase voltage) ± 3 %	
Frequency range	46Hz ~ 54 Hz or 56Hz ~ 64 Hz		
Power factor	> 0.99 @ 100% load		
THDi	< 6% @ 100% load		

TECHNICAL OUTPUT CHARACTERISTICS

Nominal voltage	3P-1P 230V		
Voltage	208/220/230/240VAC		
AC voltage regulation (battery mode)	± 1%		
Frequency range (synchronized range)	46 ~ 54 Hz or 56 ~ 64 Hz		
Frequency range (battery mode)	50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz		
Current crest ratio	3:1 (max.)		
Harmonic Distortion	< 2 % THD (linear load); < 5 % max THD (non linear load)		
Transfer time	AC mode to Batt. mode	0 ms	
	UPS to Bypass	0 ms	
Wave form	Pure sinewave		
Output	Terminal		

EFFICIENCY

AC mode	89%		
Battery mode	86%	88%	87%

BATTERY

Standard model	Backup time	from 7 to 20 min. depending on the connected load		
	Typical recharge time	9 hours recover to 90% capacity		
	Charging current (max.)	1A	2A	2A
Long run model (S)	Battery type	Depending on the capacity of external batteries		
	Numbers			
	Charging current (max.)	4A		

INDICATORS & ALARMS

LCD screen	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions
Alarms	Battery mode, low battery, overload, fault

BYPASS

Static bypass	Yes
Manual bypass	Optional external maintenance bypass

MANAGEMENT/COMMUNICATION

RS-232 port & USB port	Supports Windows family, Novell, Linux, Mac, et FreeBSD
SNMP I Pro (option)	Power management from SNMP manager (VMware®, Hyper V™ compatible) and web browser
Parallel connection (option)	Yes

ENVIRONMENT

Operation Humidity	0-95 % relative humidity @ 0-40°C non condensing		
Operating altitude	Up to 1000 m above sea level (> 1000 m 1% deterioration for every 100 m)		
Noise Level	< 58dB @ 1 meter	< 60dB @ 1 meter	
Heat dissipation max - HV (230 V)	989W / 3375.5 BTU/H	1978W / 6751 BTU/H	

NORMS

Standard	CE RoHS		
EMC (Electromagnetic compatibility)	EN62040-2:2006+AC:2006+AC: 2006, EN 61000-3-2: 2014 (EN61000-4-2: 2009, EN61000-4-3:2006+A2:2010, EN61000-4-4:2012, EN61000-4-5: 2006, EN61000-4-6: 2014, EN61000-4-8: 2010, EN61000 -2-2: 2002)		
Low voltage (Safety)	EN 62040-1: 2008 +A1:2013		

SALES INFO

Warranty	1 year		
PN	Standard models	67322	67324
	Long run models	67130	67132

* Adjustable in 380 (220V)/400(230V)/415(240V)

Communications solutions and remote management

USB & RS232 & SNMP 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

Packaging content

- 1 UPS
- 1 USB cable
- 1 RS232 cable
- 1 user guide
- 1 Infopower software

Options

- Rack kit (Ref: 61429)
- SNMP I Pro card (Ref: 61156)
- SNMP vm Minislot slot card (ref. 61142)
- Dry contact card (Ref: 61433)
- RS 485 card (Ref: 61439)
- SNMP BT 505 agent (Ref. 61455)
- Parallel connection
- External maintenance bypass

Designation	Ref
BMe 2 TM RM	61445
BMe 3 TM RM	61458

- Additional Battery banks

Designation	Ref
BB E6 LCD TM RM	67137

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 contract

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



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