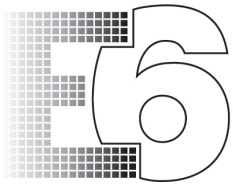




L'Énergie Sans Limite !  
Safe Energy for Life !



## Network & Critical Application



LCD TM RM

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

### 15 & 20 KVA

As a rack mount UPS, E6 LCD TM RM provides a high level of performance and reliability. Available in long run configuration, it offers many configurations possibilities from 15 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 efficient protection. With a high power factor (0.8), E6 LCD TM RM UPSs generate the high performances expected for strategic applications.

#### ● An Evolutive Solution

Ideal solution for data centers from 15 KVA up to 20 KVA, E6 LCD TM RM are rack-mountable UPS. As an option, up to 3 UPS can be connected 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.

#### ● 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...

#### ● 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.

#### ● Essential advantages

- Hot swappable batteries enable uninterrupted supply of critical and key loads during maintenance works
- Visual and audible alarms dedicated to warning in event of a problem
- Cold Start function if there is no mains power but the equipment must be started any way
- UPS automatic restart when mains power is restored



On Line Double Conversion Technology



Redundant parallelizable (option)



LCD screen



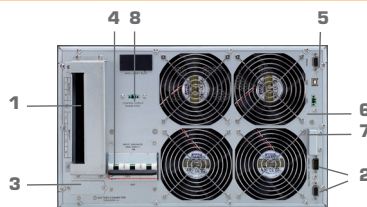
Available in long run



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



E6 LCD TM RM 15-20 KVA (S)



## 15 & 20 KVA

### 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)
- Modbus card (Ref: 61439)
- SNMP 1 Pro RS232 agent (Ref. 61830)
- 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.



### Infocsec Communication

15, rue du Moulin  
44880 SAUTRON - FRANCE

#### Sales Contact

Tel : +33 02 40 76 11 77  
sales@infocsec.fr

## GENERAL CHARACTERISTICS

|  | E6 LCD RT TM RM 15K (S) | E6 LCD TM RM 20K (S) |
|--|-------------------------|----------------------|
|--|-------------------------|----------------------|

|                     |  |        |
|---------------------|--|--------|
| <b>Technology</b>   | On Line Double Conversion High Frequency |        |
| <b>Power</b>        | 15 kVA                                   | 20 kVA |
| <b>Power factor</b> | 12 kW                                    | 16 kW  |
|                     | 0.8                                      | 0.8    |

### PHYSICAL CHARACTERISTICS

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

### TECHNICAL INPUT CHARACTERISTICS

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

### TECHNICAL OUTPUT CHARACTERISTICS

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

### EFFICIENCY

|                     |     |     |
|---------------------|-----|-----|
| <b>AC mode</b>      | 89% |     |
| <b>Battery mode</b> | 88% | 87% |

### BATTERY

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

### INDICATORS & ALARMS

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

### BYPASS

|                      |                                      |
|----------------------|--------------------------------------|
| <b>Static bypass</b> | Yes                                  |
| <b>Manual bypass</b> | Optional external maintenance bypass |

### MANAGEMENT/COMMUNICATION

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

### ENVIRONMENT

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

### NORMS

|   |  |
|---|--|
| <b>Standard</b>                             | CE RoHS  |
| <b>EMC ( Electromagnetic compatibility)</b> | EN62040-2:2006+AC:2006+AC: 2006, EN 61000-3-2: 2014<br>(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) |
| <b>Low voltage (Safety)</b>                 | EN 62040-1: 2008 +A1:2013  |

### SALES INFO

|                 |                        |       |
|-----------------|------------------------|-------|
| <b>Warranty</b> | 1 year                 |       |
| <b>PN</b>       | <b>Standard models</b> | 67323 |
|                 | <b>Long run models</b> | 67131 |
|                 |                        | 67324 |
|                 |                        | 67132 |

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

www.infocsec-ups.com

