

## HPI 33 EVO 30kVA

### Three-phase UPS system

Cat.No : 3 114 02



| CONTENT                            | Page |
|------------------------------------|------|
| 1. Characteristics .....           | 1    |
| 2. Technical data .....            | 1    |
| 3. Standards and regulations ..... | 2    |
| 5. Other informations.....         | 2    |

### 1. CHARACTERISTICS

HPI 33 EVO is three-phase online double conversion technology UPS system. The HPI33 EVO UPS has a compact design and It is compatible with Li-ion and VRLA battery technology.

#### ■ 1.1 Specific application

Suitable for generic critical application with needs power continuity. Ideal solution for IT, Residential, Commercial and Tertiary applications.

### 2. TECHNICAL DATA

#### ■ 2.1 General characteristics

|                     |                                          |
|---------------------|------------------------------------------|
| Nominal power [kVA] | 30                                       |
| Active power [kW]   | 30                                       |
| Technology          | Online double conversion, VFI-SS-111     |
| Waveform            | Pure sinewave                            |
| Architecture        | Monolithic UPS parallelable upto 4 units |

#### ■ 2.2 Input

|                     |                                   |
|---------------------|-----------------------------------|
| Nominal voltage [V] | 380/400/415 VAC - 3PH + N + Earth |
| Voltage range[%]    | 320 VAC - 476 VAC                 |
| Frequency [Hz]      | 50-60Hz +/-10%                    |
| THDlin [%]          | < 3% @ Rated linear load          |
| Input Power Factor  | > 0.99 @ Rated linear load        |

#### ■ 2.3 Output

|                                      |                                                           |
|--------------------------------------|-----------------------------------------------------------|
| Output voltage                       | 400 VAC +/- 1% 3-Ph + N + E (Settable to 380/400/415 VAC) |
| Efficiency in double conversion mode | Up to 94%                                                 |
| Output frequency (nominal)           | 50 Hz/60 Hz                                               |
| Crest factor                         | 3:1                                                       |
| Overload capacity at online mode     | Up to 110% for 1 hour, 125% for 10 min & 150% for 1 min   |
| Overload capacity at bypass mode     | Up to 110% continuous & > 150% for 10 ms                  |
| Efficiency in ECO mode               | > 98%                                                     |

#### ■ 2.4 Battery

|                               |                  |
|-------------------------------|------------------|
| Type                          | VRLA, Li-Ion     |
| Internal/External batteries   | External         |
| Nominal battery voltage [Vdc] | 480              |
| Common battery configuration  | Yes upto 2 UPS's |

#### ■ 2.5 Communication Interface

|                    |                                                                |
|--------------------|----------------------------------------------------------------|
| Display            | 5" Touch screen LCD display to monitor UPS status in real time |
| Communication port | RS232, RS485, Relay contact                                    |
| Network interface  | Optional with SNMP                                             |
| REPO               | Yes                                                            |
| Alarms & Signals   | All the required alarms & signals                              |

#### ■ 2.6 Environmental specs

|                            |                         |
|----------------------------|-------------------------|
| Operating temperature [°C] | 0 - 40                  |
| Operating humidity [Rh]    | 0% - 95% non-condensing |
| Degree of protection       | IP20                    |
| Noise level at 1m [dbA]    | Max 65 dbA at 100% load |

#### ■ 2.7 Mechanical characteristics

|                                  |                 |
|----------------------------------|-----------------|
| Unit net weight [Kg]             | 50              |
| Unit dimensions [W x D x H] [mm] | 250 x 660 x 590 |

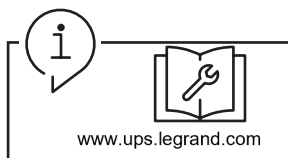
### 3. STANDARDS AND REGULATIONS

The UPS HPI 33 EVO has the CE Mark accordingly with the EU Directives 2006 95 2004 108 and it comply with following standards

- EN 62040-1: General rules for electric safety
- EN 62040-2: Electromagnetic compatibility and immunity (EMC)
- EN 62040-3: Performances and testing rules
- EN 62040-4: Environmental
- CE, RoHS & PEP



### 4. OTHER INFORMATIONS



**Installation and maintenance manual:** mounting informations and maintenance guide available on e-catalogue

For further technical information, please contact Legrand technical support.

Unless otherwise indicated, data reported in this document refers exclusively to test conditions according to product standards. For different conditions of use of the product, inside electrical equipment or in any different installation context, refer to the regulatory requirements of the equipment, local regulations and design specifications of the system.

\*at 35 degree celsius. \*\*application under process.

General tolerance +/- 2mm

Note: Product specifications are subject to change due to continuous development. Please ask for confirmation given in the publication