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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 wich needs power continuity. Ideal solution for IT, Residential, Commercial and Tertiary applications.

2. TECHNICAL DATA

■ 2.1 General characteristics

Nominal power [kVA]	20
Active power [kW]*	20
Technology	Online double conversion, VFI-SS-111
Waveform	Pure sinewave
Architecture	Monolithic UPS paralleable upto 4 units

■ 2.2 Input

Nominal voltage [V]	380/400/415 VAC - 3PH + N + Earth
Voltage range[%]	320 VAC - 476 VAC
Frequency [Hz]	45 - 55 Hz
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]	240
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 Enviromental 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