

| INPUT               |                                                                  |
|---------------------|------------------------------------------------------------------|
| Voltage             | 380 / 400 / 415 V three-phase + N                                |
| Voltage tolerance   | 400 $\pm$ 20% @ full load (for wider tolerance conditions apply) |
| Frequency tolerance | 40 - 72 Hz                                                       |
| Power factor        | $\geq$ 0.99                                                      |

| BY PASS             |                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------|
| Rated voltage       | 380 / 400 / 415 V three-phase + N                                                         |
| Voltage tolerance   | From 180 V (adjustable 180-200) to 264 V (adjustable 250-264) referring to neutral (Ph-N) |
| Rated frequency     | 50 or 60 Hz                                                                               |
| Frequency tolerance | $\pm$ 5% (selectable)                                                                     |
| Number phases       | 3 + N                                                                                     |

| OUTPUT and INVERTER OUTPUT                          |                                                |
|-----------------------------------------------------|------------------------------------------------|
| Rated power                                         | 20000 VA                                       |
| Active power                                        | 20000 W                                        |
| Power according with EN 50171                       | 16000 VA / W                                   |
| Rated voltage                                       | 380 / 400 / 415 V three-phase + N              |
| Number phases                                       | 3 + N                                          |
| Crest factor (I <sub>peak</sub> /I <sub>rms</sub> ) | 3 : 1                                          |
| Waveform                                            | Sinusoidal                                     |
| Static stability                                    | $\pm$ 0.5%                                     |
| Dynamic stability                                   | EN 62040-3 class performance 1 distorting load |
| Frequency                                           | 50 or 60 Hz (selectable)                       |
| Voltage distortion with non-linear load             | $\leq$ 1.5%                                    |
| Voltage distortion with linear load                 | <1%                                            |

| BATTERIES        |                                                     |
|------------------|-----------------------------------------------------|
| Type             | VRLA - 10 YEARS expected lifespan                   |
| Type of charging | One-level, Two-level, Cyclical recharge (ajustable) |

| ENVIRONMENTAL                            |                                                                                                                                                                                                                                                                |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Color                                    | RAL 7016 Anthracite grey                                                                                                                                                                                                                                       |
| Communication                            | Status led – Color graphic touch screen display - 2 communication interface slots – USB - RS232 - 4 relay outputs - 5 opto-isolated input                                                                                                                      |
| Protection rating                        | IP20                                                                                                                                                                                                                                                           |
| Line-Interactive/Smart Active efficiency | Up to 99%                                                                                                                                                                                                                                                      |
| Noise (at 1 m)                           | <40 [dBA $\pm$ 2] (SMART ACTIVE)                                                                                                                                                                                                                               |
| Remote signals                           | voltage free contacts                                                                                                                                                                                                                                          |
| Operating temperature                    | 0 °C - +40 °C                                                                                                                                                                                                                                                  |
| Relative humidity                        | 5-95% non-condensing                                                                                                                                                                                                                                           |
| Standards                                | EN 50171 - European directives: L V 2014/35/EU low voltage; EMC 2014/30/EU electromagnetic compatibility -- Directive and Standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2; RoHS compliant -- Classification in accordance with IEC 62040-3 VFI - SS - 111 |

| DATA               |                 |
|--------------------|-----------------|
| Weight             | 107 kg          |
| Dimensions (h w d) | 1320x440x840 mm |