

| INPUT               |                                                                          |
|---------------------|--------------------------------------------------------------------------|
| Voltage             | 220 / 230 / 240 V single-phase + N and 380 / 400 / 415 V three-phase + N |
| Voltage tolerance   | 230 / 400 V $\pm 20\%$ @ full load                                       |
| Frequency tolerance | 40 - 72 Hz                                                               |
| Power factor        | 0.99 @ full load                                                         |
| Current distortion  | THDI $\leq 3\%$                                                          |

| 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 |
| Rated frequency     | 50 or 60 Hz (selectable)                                                           |
| Frequency tolerance | $\pm 5\%$ (selectable)                                                             |
| Number phases       | 3 + N                                                                              |

| OUTPUT and INVERTER OUTPUT              |                                                |
|-----------------------------------------|------------------------------------------------|
| Rated power                             | 20000 (for the single module) VA               |
| Active power                            | 20000 (for the single module) W                |
| Rated voltage                           | 380 / 400 / 415 V three-phase + N (selectable) |
| Number phases                           | 3 + N                                          |
| Static stability                        | $\pm 0.5\%$                                    |
| Dynamic stability                       | EN 62040-3 class performance 1 non-linear load |
| Frequency                               | 50 or 60 Hz                                    |
| Frequency on battery operation          | 0.01%                                          |
| Voltage distortion with non-linear load | $\leq 1.5\%$                                   |

| BATTERIES        |                                                    |
|------------------|----------------------------------------------------|
| Type             | VRLA AGM/GEL/NiCd/Li-ion/SuperCaps                 |
| Type of charging | One level, Two level, Cyclic recharge (selectable) |

| ENVIRONMENTAL         |                                                                                                                                                                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Color                 | RAL 9005                                                                                                                                                                                                                                            |
| Protection rating     | IP20                                                                                                                                                                                                                                                |
| Noise (at 1 m)        | <40 [dBA $\pm 2$ ] (SMART ACTIVE) for the single power module                                                                                                                                                                                       |
| Operating temperature | 0 °C - +40 °C                                                                                                                                                                                                                                       |
| Storing temperature   | +20 °C - +25 °C                                                                                                                                                                                                                                     |
| Relative humidity     | 5-95% non-condensing                                                                                                                                                                                                                                |
| Standards             | 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             | 41 (for the single module) kg                       |
| Dimensions (h w d) | 397(9U) x 445(19") x 664 (for the single module) mm |