

# Multi Power2 Scalable M2S 1250 CT2



| OVERALL SPECIFICATION           |                                                                                                                                    |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Battery cabinet type            | M2S 1250 CT2 Power Cabinet                                                                                                         |
| Power module (PM) nominal power | 67 kW                                                                                                                              |
| Solution nominal Power          | 1250 kW                                                                                                                            |
| Output power factor [pf]        | 1                                                                                                                                  |
| Parallel (up to)                | 4                                                                                                                                  |
| Cabinet layout description      | Up to 20 x MP2 67 PM BLUE or 20 x MP2 67 PM. Unit with embedded backfeed protection device, input and output switch, single input. |

| INPUT               |                                   |
|---------------------|-----------------------------------|
| Rated power         | 1250000 VA                        |
| Voltage             | 380 / 400 / 415 V three-phase + N |
| Frequency tolerance | 40 - 72 Hz                        |
| Power factor        | 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 (selectable)                                                                    |
| Frequency tolerance | ± 5% (selectable)                                                                           |
| Number phases       | 3 + N                                                                                       |

| OUTPUT and INVERTER OUTPUT |                                               |
|----------------------------|-----------------------------------------------|
| Rated power                | 1250000 VA                                    |
| Active power               | 1250000 W                                     |
| Number phases              | 3 + N                                         |
| Output voltage             | 380 / 400 / 415 V three-phase + N             |
| Waveform                   | Sinewave                                      |
| Dynamic stability          | EN62040-3 class performance 1 non-linear load |
| Frequency                  | 50 or 60 Hz                                   |
| Overload                   | 125% for 10 min.; 150% for 1 min.             |

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

| ENVIRONMENTAL         |                                                                                                                                                                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Color                 | RAL 9005                                                                                                                                                                                                                                         |
| Communication         | 10" Graphic touch screen display – UPS Status led bar – 3 slots for communication interface, 10 input and 8 output signals                                                                                                                       |
| Protection rating     | IP20 finger proof (either with cabinet doors open or close)                                                                                                                                                                                      |
| AC/AC efficiency      | Up to 98.1% with MP2 67 PM BLUE (ON LINE mode)                                                                                                                                                                                                   |
| Operating temperature | 0 °C - +40 °C                                                                                                                                                                                                                                    |
| Relative humidity     | 5-95% non-condensing                                                                                                                                                                                                                             |
| Standards             | European directives: LV 2014/35/EU low voltage; EMC 2014/30/EU electromagnetic compatibility -- Directive & 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 including PMs to reach nominal power | 2200 kg               |
| Dimensions (h w d)                          | 2000 x 3000 x 1025 mm |
| Input phases                                | 3                     |
| Output phases                               | 3                     |