

**Models**

**SIRIO K64 HV**

|  |                                 |
|--|---------------------------------|
| <b>Rated power alternating current</b>           | 64KVA                           |
| <b>Maximum power alternating current</b>         | 64KW (cosφ=1)                   |
| <b>INPUT</b>                                     |                                 |
| <b>Maximum direct voltage in an open circuit</b> | 880Vcc                          |
| <b>MPPT Full Rating Range</b>                    | 450÷760Vcc                      |
| <b>Working range</b>                             | 450÷760Vcc                      |
| <b>Maximum input current</b>                     | 151Acc                          |
| <b>Initial feeding voltage</b>                   | 540Vcc                          |
| <b>Ripple voltage</b>                            | <1%                             |
| <b>Input number</b>                              | 1                               |
| <b>MPPT number</b>                               | 1                               |
| <b>D.C. connectors</b>                           | Bus bar                         |
| <b>OUTPUT</b>                                    |                                 |
| <b>Operating voltage</b>                         | 400Vca                          |
| <b>Operating interval</b>                        | 340÷460Vca                      |
| <b>Maximum power interval</b>                    | 340÷460Vca                      |
| <b>Frequency interval</b>                        | 47,5÷51,5Hz                     |
| <b>Settable frequency interval</b>               | 47÷53Hz                         |
| <b>Nominal current</b>                           | 92Aca                           |
| <b>Maximum current</b>                           | 103Aca                          |
| <b>Fault level contribution</b>                  | 175Aca                          |
| <b>Current Harmonic Distorsion (THDi)</b>        | <3%                             |
| <b>Power factor</b>                              | from 0,9 ind. to 0,9 cap.       |
| <b>Galvanic separation</b>                       | LF trafo                        |
| <b>A.C. connectors</b>                           | Bus bar                         |
| <b>SYSTEM</b>                                    |                                 |
| <b>Maximum efficiency</b>                        | 96,1%                           |
| <b>European efficiency</b>                       | 94,9%                           |
| <b>Stand-by consumption</b>                      | <32W                            |
| <b>Night consumption</b>                         | <32W                            |
| <b>Internal protection</b>                       | MCCB AC side and Switch DC side |
| <b>Insulation operating protection</b>           | Yes                             |
| <b>Detecting earth leakage</b>                   | Yes                             |
| <b>Heat dissipation</b>                          | Controlled fans                 |
| <b>Operating temperature</b>                     | -20°C÷45°C (without derating)   |
| <b>Storage temperature</b>                       | -20°C÷70°C                      |
| <b>Humidity</b>                                  | 5÷95% non-condensing            |
| <b>CHARACTERISTICS</b>                           |                                 |
| <b>Acoustic noise</b>                            | <68dBA                          |
| <b>Protection level</b>                          | IP20                            |
| <b>Colour</b>                                    | RAL 7035                        |
| <b>Weight</b>                                    | 600Kg                           |

|   |   |
|---|---|
| <b>Dimensions</b>                             | 800x800x1900mm  |
| <b>COMMUNICATION</b>                          |   |
| <b>Communication interface</b>                | Ethernet, USB, 2xRS232, 2 ingressi per comandi remoti (blocco inverter ed EPO) e 3 relè di segnalazione stato di funzionamento.<br>RS485 opzionale (slot version) |
| <b>Display</b>                                | Color LCD touch screen  |
| <b>Protocols</b>                              | ModBUS and ModBUSTCP  |
| <b>CERTIFICATES AND APPROVALS</b>             |   |
| <b>EMC</b>                                    | EN61000-6-3, EN61000-6-2, EN61000-3-11, EN61000-3-12  |
| <b>Safety</b>                                 | EN62109-1, EN62109-2  |
| <b>Directives</b>                             | Low Voltage Directive: 2006/95/EC, EMC Directive: 2004/108/EC   |
| <b>Guide for connection to the power grid</b> | CEI 0-21, CEI 0-16, A70, VDE 0126-1-1, G59/2, Real Decreto 413/2014, PO12.3   |