

### | General description:

Modular, single-phase FUM 230/0.6 inverters with a rated power output of 600VA are intended for convert direct current to alternating current in the parallel mode. FUM invertehr is built based on innovative design solutions allowed to achieve high efficiency at small size.

Due to innovative technology the FUM series is an ideal solution for telecom, IT and industrial applications. The power modules: 2x600VA are packed into a compact case (1U, 19").



### | Application:

- + IT network systems;
- + professional telecommunications systems;
- + industrial automation systems.

### | Features:

- + true sine wave output (THD <2%);
- + high efficiency: up to 88%;
- + compact design;
- + very wide temperature operating range;
- + parallel operation with current share and synchronization;
- + configurable for being used as 3-Phase source, 3 units;
- + LED indication of operation status;
- + output voltage regulation;
- + fully digital controlled (CAN link);
- + easy installation of inverter module (replacement or extension) during normal operation status
- + (hot-swap);
- + immunity to electromagnetic interferences.

### Basic parameters of the inverter:

#### Output parameters:

|                               |     |                        |
|-------------------------------|-----|------------------------|
| Nominal output power          | VA  | 600 @50°C<br>500 @65°C |
| Overload capacity             | -   | 150% 15seconds         |
| AC voltage                    | Vac | 230                    |
| AC voltage range (adjustable) | -   | 200 ÷ 240              |
| Frequency                     | Hz  | 50 ÷ 60                |
| Frequency accuracy            | -   | 0,03%                  |
| Crest factor at nominal power | -   | 2.75                   |
| THD                           | -   | <2% (resistive load)   |

#### Input parameters:

|                           |     |                        |
|---------------------------|-----|------------------------|
| Nominal DC voltage        | Vdc | 48                     |
| DC voltage range          | Vdc | 40 ~ 60                |
| Nominal DC current        | Adc | 12A @48V<br>13,5A @40V |
| Efficiency (on-line mode) | -   | 88%                    |
| Voltage ripple            | mV  | 2                      |

#### General data:

|                              |    |                     |
|------------------------------|----|---------------------|
| Range of ambient temperature | °C | -25 ~ +65           |
| Humidity                     | -  | 95%, non-condensing |
| Cooling                      | -  | forced, fans        |
| EMC (immunity)               | -  | EN 61000-4          |
| EMC (emission)               | -  | EN 55022 (Class 1)  |
| Safety                       | -  | EN 60950            |
| Dimensions (HxWxD)           | -  | 1U x 19" x 264mm    |
| Weight (shelf + 2 modules)   | kg | 5                   |
| RoHS                         | -  | compliant           |

#### Signaling & supervision

|               |   |                       |
|---------------|---|-----------------------|
| Display       | - | Synoptic LED          |
| Alarms output | - | Dry contacts on shelf |