


## DC / AC CONVERTER IPS-1500S 2G

### 24V / 230V PURE SINE WAVE II GENERATION

|   |   |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |
|---|---|----------------|-----------|------------------|---------|----------------|---------|----------------------|---------|-------------------|---------|----------------------|----------------|--------------------------------|-----|-----------------------|-----|---------------------------|-----|---------------------|-------|--------------------------------|--------|----------------------------|-----|------------------------------|--------------|-------------|--------|---------------|--------|-------------|--------------------|---------------------|------------|---------------|----------|----------------|------|------------------------|---------------------|---------|---------|---------------|---------|
|  | <table> <tr> <td>Input voltage:</td> <td>22÷30 VDC</td> </tr> <tr> <td>Output voltage :</td> <td>230 VAC</td> </tr> <tr> <td>Maximum Power:</td> <td>1500 VA</td> </tr> <tr> <td>Instantaneous Power:</td> <td>1400 VA</td> </tr> <tr> <td>Continuous Power:</td> <td>1200 VA</td> </tr> <tr> <td>Output voltage type:</td> <td>Pure Sine Wave</td> </tr> <tr> <td>Soft start for inductive load:</td> <td>YES</td> </tr> <tr> <td>Overload protection :</td> <td>YES</td> </tr> <tr> <td>Short-current protection:</td> <td>YES</td> </tr> <tr> <td>Thermal protection:</td> <td>80 °C</td> </tr> <tr> <td>Input overvoltage protection :</td> <td>30 VDC</td> </tr> <tr> <td>Battery discharge warning:</td> <td>YES</td> </tr> <tr> <td>Operating temperature range:</td> <td>-25 ~ +55 °C</td> </tr> <tr> <td>Efficiency:</td> <td>&gt; 92 %</td> </tr> <tr> <td>Cooling type:</td> <td>ACTIVE</td> </tr> <tr> <td>Connectors:</td> <td>Screw Connector M8</td> </tr> <tr> <td>Output socket type:</td> <td>French x 2</td> </tr> <tr> <td>Housing type:</td> <td>Aluminum</td> </tr> <tr> <td>IP protection:</td> <td>IP21</td> </tr> <tr> <td>Dimensions LxBxH [mm]:</td> <td>300 x 210 x 85 [mm]</td> </tr> <tr> <td>Weight:</td> <td>2,88 kg</td> </tr> <tr> <td>Product code:</td> <td>9002008</td> </tr> </table> | Input voltage: | 22÷30 VDC | Output voltage : | 230 VAC | Maximum Power: | 1500 VA | Instantaneous Power: | 1400 VA | Continuous Power: | 1200 VA | Output voltage type: | Pure Sine Wave | Soft start for inductive load: | YES | Overload protection : | YES | Short-current protection: | YES | Thermal protection: | 80 °C | Input overvoltage protection : | 30 VDC | Battery discharge warning: | YES | Operating temperature range: | -25 ~ +55 °C | Efficiency: | > 92 % | Cooling type: | ACTIVE | Connectors: | Screw Connector M8 | Output socket type: | French x 2 | Housing type: | Aluminum | IP protection: | IP21 | Dimensions LxBxH [mm]: | 300 x 210 x 85 [mm] | Weight: | 2,88 kg | Product code: | 9002008 |
| Input voltage:  | 22÷30 VDC   |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |
| Output voltage :  | 230 VAC   |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |
| Maximum Power:  | 1500 VA   |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |
| Instantaneous Power:  | 1400 VA   |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |
| Continuous Power:   | 1200 VA   |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |
| Output voltage type:  | Pure Sine Wave  |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |
| Soft start for inductive load:  | YES   |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |
| Overload protection :   | YES   |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |
| Short-current protection:   | YES   |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |
| Thermal protection:   | 80 °C   |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |
| Input overvoltage protection :  | 30 VDC  |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |
| Battery discharge warning:  | YES   |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |
| Operating temperature range:  | -25 ~ +55 °C  |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |
| Efficiency:   | > 92 %  |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |
| Cooling type:   | ACTIVE  |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |
| Connectors:   | Screw Connector M8  |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |
| Output socket type:   | French x 2  |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |
| Housing type:   | Aluminum  |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |
| IP protection:  | IP21  |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |
| Dimensions LxBxH [mm]:  | 300 x 210 x 85 [mm]   |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |
| Weight:   | 2,88 kg   |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |
| Product code:   | 9002008   |                |           |                  |         |                |         |                      |         |                   |         |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                     |         |         |               |         |

**PURE SINE WAVE II GENERATION** is a converter which is equipped with an algorithm for a soft start of induction motors without the need for power to be oversized

#### Best for powering:

- Refrigerators, freezers, microwave ovens, motors, pumps, compressors and fans
- Drills, grinders, lawn mowers, vacuum cleaners
- Incandescent and LED lighting and fluorescent lamps
- Laptop chargers and USB, computers and computer monitors, TV
- Printers and cash registers
- Processor control of the shape and the output voltage
- Advanced algorithm for a soft start of induction motors, which guarantees a 100% start of the motors with power corresponding to continuous power of the converter
- Overload, short-circuit and thermal protection
- Auto restart with a motor soft start mode ideal for powering refrigerators and coolers
- Indication of too low and too high supply voltage and deep discharge of the battery
- Smart and smooth fan control
- High efficiency
- Low power consumption without load
- Guaranteed quality and reliability



**High quality and reliability.**

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