


# DC / AC CONVERTER IPS-1200S 2G

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

|  |  |                |           |                  |         |                |        |                      |        |                   |        |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |                  |            |                          |                   |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                 |         |        |               |               |
|--|--|----------------|-----------|------------------|---------|----------------|--------|----------------------|--------|-------------------|--------|----------------------|----------------|--------------------------------|-----|-----------------------|-----|---------------------------|-----|---------------------|-------|--------------------------------|--------|----------------------------|-----|------------------------------|--------------|------------------|------------|--------------------------|-------------------|-------------|--------|---------------|--------|-------------|--------------------|---------------------|------------|---------------|----------|----------------|------|------------------------|-----------------|---------|--------|---------------|---------------|
|  | <table style="width: 100%; border-collapse: collapse;"> <tr><td style="padding: 2px;">Input voltage:</td><td style="padding: 2px;">22÷30 VDC</td></tr> <tr><td style="padding: 2px;">Output voltage :</td><td style="padding: 2px;">230 VAC</td></tr> <tr><td style="padding: 2px;">Maximum Power:</td><td style="padding: 2px;">1200VA</td></tr> <tr><td style="padding: 2px;">Instantaneous Power:</td><td style="padding: 2px;">900 VA</td></tr> <tr><td style="padding: 2px;">Continuous Power:</td><td style="padding: 2px;">800 VA</td></tr> <tr><td style="padding: 2px;">Output voltage type:</td><td style="padding: 2px;">Pure Sine Wave</td></tr> <tr><td style="padding: 2px;">Soft start for inductive load:</td><td style="padding: 2px;">YES</td></tr> <tr><td style="padding: 2px;">Overload protection :</td><td style="padding: 2px;">YES</td></tr> <tr><td style="padding: 2px;">Short-current protection:</td><td style="padding: 2px;">YES</td></tr> <tr><td style="padding: 2px;">Thermal protection:</td><td style="padding: 2px;">80 °C</td></tr> <tr><td style="padding: 2px;">Input overvoltage protection :</td><td style="padding: 2px;">30 VDC</td></tr> <tr><td style="padding: 2px;">Battery discharge warning:</td><td style="padding: 2px;">YES</td></tr> <tr><td style="padding: 2px;">Operating temperature range:</td><td style="padding: 2px;">-25 ~ +55 °C</td></tr> <tr><td style="padding: 2px;"><b>ECO MODE:</b></td><td style="padding: 2px;"><b>YES</b></td></tr> <tr><td style="padding: 2px;"><b>Stand by current:</b></td><td style="padding: 2px;"><b>&lt; 0,15A</b></td></tr> <tr><td style="padding: 2px;">Efficiency:</td><td style="padding: 2px;">&gt; 92 %</td></tr> <tr><td style="padding: 2px;">Cooling type:</td><td style="padding: 2px;">Active</td></tr> <tr><td style="padding: 2px;">Connectors:</td><td style="padding: 2px;">Screw Connector M8</td></tr> <tr><td style="padding: 2px;">Output socket type:</td><td style="padding: 2px;">French x 1</td></tr> <tr><td style="padding: 2px;">Housing type:</td><td style="padding: 2px;">Aluminum</td></tr> <tr><td style="padding: 2px;">IP protection:</td><td style="padding: 2px;">IP21</td></tr> <tr><td style="padding: 2px;">Dimensions LxBxH [mm]:</td><td style="padding: 2px;">240x190x80 [mm]</td></tr> <tr><td style="padding: 2px;">Weight:</td><td style="padding: 2px;">1.9 kg</td></tr> <tr><td style="padding: 2px;">Product code:</td><td style="padding: 2px;">5905279203952</td></tr> </table> | Input voltage: | 22÷30 VDC | Output voltage : | 230 VAC | Maximum Power: | 1200VA | Instantaneous Power: | 900 VA | Continuous Power: | 800 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 | <b>ECO MODE:</b> | <b>YES</b> | <b>Stand by current:</b> | <b>&lt; 0,15A</b> | Efficiency: | > 92 % | Cooling type: | Active | Connectors: | Screw Connector M8 | Output socket type: | French x 1 | Housing type: | Aluminum | IP protection: | IP21 | Dimensions LxBxH [mm]: | 240x190x80 [mm] | Weight: | 1.9 kg | Product code: | 5905279203952 |
| Input voltage:   | 22÷30 VDC  |                |           |                  |         |                |        |                      |        |                   |        |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |                  |            |                          |                   |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                 |         |        |               |               |
| Output voltage :   | 230 VAC  |                |           |                  |         |                |        |                      |        |                   |        |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |                  |            |                          |                   |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                 |         |        |               |               |
| Maximum Power:   | 1200VA   |                |           |                  |         |                |        |                      |        |                   |        |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |                  |            |                          |                   |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                 |         |        |               |               |
| Instantaneous Power:   | 900 VA   |                |           |                  |         |                |        |                      |        |                   |        |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |                  |            |                          |                   |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                 |         |        |               |               |
| Continuous Power:  | 800 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   |                |           |                  |         |                |        |                      |        |                   |        |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |                  |            |                          |                   |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                 |         |        |               |               |
| <b>ECO MODE:</b>   | <b>YES</b>   |                |           |                  |         |                |        |                      |        |                   |        |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |                  |            |                          |                   |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                 |         |        |               |               |
| <b>Stand by current:</b>   | <b>&lt; 0,15A</b>  |                |           |                  |         |                |        |                      |        |                   |        |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |                  |            |                          |                   |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                 |         |        |               |               |
| Efficiency:  | > 92 %   |                |           |                  |         |                |        |                      |        |                   |        |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |                  |            |                          |                   |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                 |         |        |               |               |
| Cooling type:  | Active   |                |           |                  |         |                |        |                      |        |                   |        |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |                  |            |                          |                   |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                 |         |        |               |               |
| Connectors:  | Screw Connector M8   |                |           |                  |         |                |        |                      |        |                   |        |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |                  |            |                          |                   |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                 |         |        |               |               |
| Output socket type:  | French x 1   |                |           |                  |         |                |        |                      |        |                   |        |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |                  |            |                          |                   |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                 |         |        |               |               |
| Housing type:  | Aluminum   |                |           |                  |         |                |        |                      |        |                   |        |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |                  |            |                          |                   |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                 |         |        |               |               |
| IP protection:   | IP21   |                |           |                  |         |                |        |                      |        |                   |        |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |                  |            |                          |                   |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                 |         |        |               |               |
| Dimensions LxBxH [mm]:   | 240x190x80 [mm]  |                |           |                  |         |                |        |                      |        |                   |        |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |                  |            |                          |                   |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                 |         |        |               |               |
| Weight:  | 1.9 kg   |                |           |                  |         |                |        |                      |        |                   |        |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |                  |            |                          |                   |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                 |         |        |               |               |
| Product code:  | 5905279203952  |                |           |                  |         |                |        |                      |        |                   |        |                      |                |                                |     |                       |     |                           |     |                     |       |                                |        |                            |     |                              |              |                  |            |                          |                   |             |        |               |        |             |                    |                     |            |               |          |                |      |                        |                 |         |        |               |               |

**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 – **ECO MODE**

**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



**High quality and reliability.**

- 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
- **ECO MODE - Ultra low power consumption in stand by mode - input current 0.15A fully automatic load detection above 1W**
- Guaranteed quality and reliability

[www.powerinverters.pl](http://www.powerinverters.pl)



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