

# i-MAXX SERIES

## Online UPS 3P/1P, 192V DC



- Auto Transformer at UPS Input.
- Galvanic Isolation design to withstand all kinds of loads.
- Output power factor 0.8.
- Fully coating PCBAs to withstand harsh environment.
- Unique ventilation design for effective heat dissipation.
- Wide input voltage and frequency range to withstand robust environment.
- High short-circuit and overload capabilities.
- Built-in maintenance bypass switch.
- Built-in Static bypass.

| MODEL                                | i-MAXX DSP TECHNOLOGY BASED ONLINE UPS  |
|--------------------------------------|---|
| CAPACITY                             | 10KVA / 8KW   |
| PHASE                                | Three Phase In / Single Phase Out   |
| <b>INPUT</b>                         |   |
| Nominal Voltage                      | 3 x 360VAC/380VAC/400VAC (3Ph + N + G)  |
| Acceptable Voltage Range             | 286VAC~493VAC@16No. of Batteries  |
| Frequency Range                      | 40Hz ~ 55 Hz @ 50Hz system  |
| <b>OUTPUT</b>                        |   |
| Output Voltage                       | 208VAC/220VAC/230VAC (Selectable)   |
| Voltage Regulation                   | ± 1%  |
| Frequency Range (Synchronized Range) | 45Hz ~ 55 Hz  |
| Frequency Range (Battery Mode)       | 50Hz ± 0.1Hz  |
| Current Crest Ratio                  | 3:1   |
| Harmonic Distortion                  | ≤ 3 % THD (Linear Load) ; ≤ 5 % THD (Non-linear Load)                               |
| Transfer Time (AC to DC)             | 0ms   |
| Transfer Time (Inverter to Bypass)   | 0ms   |
| Waveform (Battery Mode)              | Pure Sinewave   |
| <b>EFFICIENCY</b>                    |   |
| AC Mode                              | 83%   |
| Battery Mode                         | 92%   |
| <b>BATTERY</b>                       |   |
| Battery Type / Battery Numbers       | SMF / Lead Acid / Tubular / 16 No.  |
| Charging Current (max.) / Voltage    | Default 8A, 2A/4A/8A (adjustable) / 218.4 V ± 1%                                    |
| <b>INDICATORS</b>                    |   |
| LCD Display                          | Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators |
| <b>ALARMS</b>                        |   |
| Battery Mode / Low Battery           | Sounding every 4 seconds / Sounding every second                                    |
| Overload / Fault                     | Sounding twice every second / Continuously sounding                                 |
| <b>PHYSICAL</b>                      |   |
| Dimension LxWxH(mm)/Net Weight(Kgs.) | 562x300x830 / 115Kgs.   |
| <b>ENVIRONMENT</b>                   |   |
| Operating Temp.                      | 0 ~ 50°C (battery life cycle will be shorten when temperature is above 25°C)        |
| Operating Humidity / Noise Level     | Humidity: 0~95% (non-condensing) / Less than 3 60dBA @1 Meter                       |
| <b>MANAGEMENT</b>                    |   |
| USB and Modbus RS-232/RS485          | Supports Windows 2000/2003/XP/Vista/2008/7/8/10, Linux, Unix, and MAC               |
| Dry Contacts                         | Five signals: AC failure, low battery, UPS alarm, bypass and UPS fault              |
| Optional SNMP                        | Power management from SNMP manager and web browser                                  |

\* Product specifications are subject to change without prior notice.