

## PowerMust 1000 /2000 / 3000 LCD, RM, Online, IEC



PM 1000/2000/3000 RM LCD



PM 1000 RM LCD



PM 2000 RM LCD



PM 3000 RM LCD

### Features

- Pure Sine Wave
- True double-conversion online UPS
- Wide input voltage range
- Output Power factor 1
- Emergency power off (EPO) function
- SNMP + USB + RS 232 multiple communications
- Selectable output voltage
- Output voltage regulation < 1%
- Programmable power management outlets
- Output 50Hz/60Hz frequency converter mode
- Higher output crest 3:1
- ECO mode energy saving
- Hot swappable battery design

## PowerMust 1000 / 2000 / 3000 RM LCD Online IEC

### Specification

| MODEL                                  | PowerMust 1000 RM LCD                                                      | PowerMust 2000 RM LCD | PowerMust 3000 RM LCD         |
|----------------------------------------|----------------------------------------------------------------------------|-----------------------|-------------------------------|
| <b>INPUT</b>                           |                                                                            |                       |                               |
| Capacity                               | 1000VA/1000W                                                               | 2000VA/2000W          | 3000VA/3000W                  |
| Voltage Range                          | 200/208/220/230/240 VAC                                                    |                       |                               |
| THDI                                   | ≤ 5% nominal input voltage                                                 |                       |                               |
| Frequency Range                        | 40 ~ 70 Hz                                                                 |                       |                               |
| Phase                                  | Single phase with ground                                                   |                       |                               |
| Power Factor                           | ≥ 0.99 @ nominal voltage (100% load)                                       |                       |                               |
| <b>OUTPUT</b>                          |                                                                            |                       |                               |
| Output voltage                         | 200/208/220/230/240 VAC                                                    |                       |                               |
| AC Voltage Regulation                  | ± 1%                                                                       |                       |                               |
| Frequency Range (Synchronized Range)   | 57 ~ 63 or 47 ~ 53 Hz                                                      |                       |                               |
| Frequency range ( Batt. Mode)          | 50 or 60 Hz ± 0,1 Hz                                                       |                       |                               |
| Current Crest Ratio                    | 3:1 (max.)                                                                 |                       |                               |
| Harmonic Distortion                    | ≤2% THD (Linear Load); ≤4% THD (non-Linear Load)                           |                       |                               |
| Waveform (Batt. Mode)                  | Pure Sinewave                                                              |                       |                               |
| <b>BATTERY</b>                         |                                                                            |                       |                               |
| Battery Type                           | 12 V / 7 AH x 3                                                            | 12 V / 7 AH x 6       | 12 V / 9 AH x 6               |
| Recharge Time                          | 3 hours recover to 95% capacity for internal battery @2 A charging current |                       |                               |
| Charging Current                       | 200/208/220/230/240 VAC: default 2 A, max. 12 A adjustable                 |                       | Default 2A, Max 8A adjustable |
| <b>BACK-UP TIME</b>                    |                                                                            |                       |                               |
| Back up time at half load              | 11,0 min.                                                                  | 11, 5 min.            | 9,6 min.                      |
| <b>AUDIBLE ALARM</b>                   |                                                                            |                       |                               |
| Battery Mode                           | Sounding every 5 seconds                                                   |                       |                               |
| Battery Low                            | Sounding every 2 second                                                    |                       |                               |
| Fault                                  | Continuesly sounding                                                       |                       |                               |
| Overload                               | Sounding every second                                                      |                       |                               |
| <b>TRANSFER TIME</b>                   |                                                                            |                       |                               |
| BAT <--> LINE                          | 0 ms                                                                       | 0 ms                  | 0 ms                          |
| INV <--> BYPASS                        | < 4 ms                                                                     | < 4 ms                | < 4 ms                        |
| INV --> ECO                            | < 10 ms                                                                    | < 10 ms               | < 10 ms                       |
| <b>PHYSICAL</b>                        |                                                                            |                       |                               |
| Dimension, D X W X H (mm)              | 410 x 438 x 88                                                             | 630 x 438 x 88        |                               |
| Net Weight (kgs) with internal battery | 14,1                                                                       | 23,3                  | 27,5                          |
| <b>ENVIRONMENT</b>                     |                                                                            |                       |                               |
| Operation Environment                  | 0-40°                                                                      |                       |                               |
| Operation Humidity                     | 20-95% (non-condensing)                                                    |                       |                               |
| Noise Level                            | Less than 50 dB @1 Meter                                                   |                       |                               |

## PowerMust 1000 / 2000 / 3000 RM LCD Online IEC

### Specification continued

| MODEL                    | PowerMust 1000 RM LCD                                                                                                                                              | PowerMust 2000 RM LCD | PowerMust 3000 RM LCD   |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------|
| <b>INTERFACE</b>         |                                                                                                                                                                    |                       |                         |
| EPO                      | Emergency Power Off                                                                                                                                                |                       |                         |
| Intelligent slot         | External Type of SNMP / RS485 / AS 400 / USB card                                                                                                                  |                       |                         |
| AC Outlets               | IEC320 C13 x 8                                                                                                                                                     | IEC 320 C13 x 8       | IEC320 C13 x8 + C19 x 1 |
| USB port                 | Yes                                                                                                                                                                |                       |                         |
| RS232                    | Yes                                                                                                                                                                |                       |                         |
| <b>ACCESSORIES</b>       |                                                                                                                                                                    |                       |                         |
| Accessories              | User manual, 2P EPO connector x 1, Input power cord schuko, Output cable IEC x 2, Pedestal for tower installation x 2, Fitting Ear x 2, USB cable x 1, Software CD |                       |                         |
| <b>MANAGEMENT</b>        |                                                                                                                                                                    |                       |                         |
| Smart RS 232 or USB Port | Supports Windows® 2000/2002/XP/Vista/2008/7/8/10, Linux and MAC                                                                                                    |                       |                         |
| Optional SNMP            | Power Management from SNMP manager and Web browser                                                                                                                 |                       |                         |