

# SmartDual Series

Line Interactive UPS with Bi-Voltage Input



DUL-2000A

DUL-800 / 1200 / 1500A

## FEATURES

- 800~2000VA true sine wave UPS
- Bi-voltage 120V or 220V input (auto sensing) and 120V voltage output
- Smart microprocessor control guarantees high reliability
- Enable / Disable battery mode audible alarm
- Boost and buck AVR for voltage stabilization
- Generator Compatible
- Off-mode auto charging
- Cold start function (DC power on)
- Auto restart while AC is recovering
- Built-in smart charger
- Built-in HID USB communication port
- Communication port with power management software

## APPLICATIONS

- Medical Equipment
- Electronic Equipment
- Commercial Devices
- Telecom Equipment



## SMARTDUAL LINE INTERACTIVE UPS SPECIFICATION

| MODEL                                | DUL-800A                                                            | DUL-1200A       | DUL-1500A       | DUL-2000A                          |
|--------------------------------------|---------------------------------------------------------------------|-----------------|-----------------|------------------------------------|
| Capacity                             | 800VA / 490W                                                        | 1200 VA / 700 W | 1500 VA / 900 W | 2000 VA / 1200 W                   |
| INPUT                                |                                                                     |                 |                 |                                    |
| Voltage                              | 120 / 220 VAC (auto sensing)                                        |                 |                 |                                    |
| Voltage Range                        | 90 ~ 148 VAC / 169 ~ 270 VAC                                        |                 |                 |                                    |
| Frequency                            | 50 / 60 Hz ± 3Hz                                                    |                 |                 |                                    |
| OUTPUT                               |                                                                     |                 |                 |                                    |
| Voltage                              | 110 ~ 120 VAC                                                       |                 |                 |                                    |
| AC Voltage Regulation (Battery Mode) | ±10%                                                                |                 |                 |                                    |
| Frequency                            | 50 Hz or 60 Hz                                                      |                 |                 |                                    |
| Frequency Regulation (Battery Mode)  | ±1%                                                                 |                 |                 |                                    |
| Waveform (Battery Mode)              | Pure sine wave                                                      |                 |                 |                                    |
| TRANSFER TIME                        |                                                                     |                 |                 |                                    |
| Typical                              | 2 ~ 6ms                                                             |                 |                 |                                    |
| BATTERY                              |                                                                     |                 |                 |                                    |
| Battery Type                         | 12 V / 7 Ah                                                         | 12 V / 7 Ah     | 12 V / 9 Ah     | 12V / 9 Ah                         |
| Battery Number                       | 2                                                                   | 2               | 2               | 4                                  |
| Battery Voltage                      | 24 VDC                                                              |                 |                 | 48 VDC                             |
| Backup Time (Half Load)              | 16 minutes                                                          | 11.5 minutes    | 11 minutes      | 16 minutes                         |
| Typical Recharge Time                | 4 hours recover to 90% capacity                                     |                 |                 |                                    |
| INDICATOR                            |                                                                     |                 |                 |                                    |
| Display                              | LEDs                                                                |                 |                 |                                    |
| Alarm                                | Battery Mode, Low battery, Overload, Fault                          |                 |                 |                                    |
| PROTECTION                           |                                                                     |                 |                 |                                    |
| Full Protection                      | Overload, over discharge and overcharge protection                  |                 |                 |                                    |
| MANAGEMENT                           |                                                                     |                 |                 |                                    |
| HID USB Port                         | Windows® 10 / 8 / 7 / Server 2012 R2 / Server 2008 R2 / Linux / Mac |                 |                 |                                    |
| PHYSICAL                             |                                                                     |                 |                 |                                    |
| Dimension (D x W x H) (mm / in)      | 327 x 140 x 191 / 12.9 x 5.5 x 7.5                                  |                 |                 | 390 x 151 x 225 / 15.4 x 5.9 x 8.9 |
| Net Weight (kg / lb)                 | 10.1 / 22.3                                                         | 11.6 / 25.6     | 13.6 / 30.0     | 20.7 / 45.6                        |