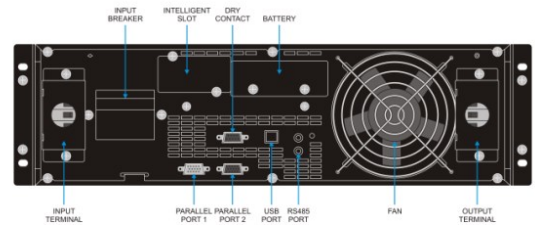


### Features

- High frequency, double conversion on-line technology
- Input can be configured for either 3:1 or 1:1 operation
- Rotatable LCD—suitable for 19" rack or slim tower
- Fully digital DSP control
- Wide input voltage range
- Cold start function
- Advanced battery management
- Selectable ECO mode for high efficiency operation
- Automatic battery charge in UPS off mode
- Lightning and surge protection
- Short circuit and overload protection
- Automatic fan speed control with load variation
- Up to 4 units can be operated in parallel
- Emergency Power Off facility
- Smart RS232 communications with monitoring software
- USB communications port included
- Optional relay or SNMP communications card
- Matching EER2000 battery pack available



### Specifications

| UPS Model            |   | E21306RE  | E21310RE        |
|----------------------|---|---|-----------------|
| Capacity             |   | 6000VA / 5400W  | 10000VA / 9000W |
| Input                | Rated Voltage   | 380/400/415V AC or 220/230/240V AC  |                 |
|                      | Voltage range   | 120V AC - 276V AC Line - Neutral or 208V AC - 478V AC Line - Line   |                 |
|                      | Phase   | 3 phase 4 wire & earth or 1 phase 2 wire & earth  |                 |
|                      | Frequency   | 40 - 70Hz   |                 |
|                      | Power Factor  | >0.99   |                 |
| Output               | Voltage   | 208/220/230/240V AC ±2%   |                 |
|                      | Phase   | Single phase  |                 |
|                      | Frequency Range   | 50 / 60Hz ±0.2% (user adjustable)   |                 |
|                      | THD (Linear Load)   | < 2%  |                 |
|                      | THD (Non-Linear Load)   | < 5%  |                 |
|                      | Overload Capability   | AC Mode - <110% for 3 min, <125% for 30 sec, <150% for 1 sec, >150% shutdown immediately, transfer to bypass<br>Battery Mode - <110% for 30 sec, <125% for 1 sec, <150% for 0.2 sec, >150% shutdown immediately |                 |
|                      | Crest Factor  | 3:1 (max)   |                 |
|                      | Power Factor  | 0.9   |                 |
|                      | Short Circuit Protection  | Yes   |                 |
|                      | Waveform  | Sine wave   |                 |
| Battery              | Transfer Time   | 0ms (between on-line mode & battery mode)   |                 |
|                      | Efficiency  | On-line mode: >90%  |                 |
|                      | Model   | 12V valve regulated lead acid maintenance free  |                 |
|                      | DC Voltage  | 192/216/240V DC   |                 |
|                      | Battery   | Depends on the external battery capacity  |                 |
|                      | Backup Time At Half Load  |   |                 |
|                      | Backup Time At Full Load  |   |                 |
| Environment          | Charge Current  | 6A (Maximum)  |                 |
|                      | Recharge Time   | 90% capacity after 8 - 10 hours charging  |                 |
|                      | Temperature   | 0°C to +40°C  |                 |
|                      | Relative Humidity   | 0 - 95% (non-condensing)  |                 |
| Communication        | Altitude  | 1500m maximum   |                 |
|                      | Storage Temperature   | -25°C to +55°C  |                 |
|                      |   | Standard: USB, RS485 & Parallel Port     Optional: SNMP or Relay Card   |                 |
| LCD Display          | Measurements: Input/output voltage/freq, battery voltage, load power and kVA, UPS temperature<br>Operation mode: On-line, Battery, Bypass |   |                 |
| LED Indication       | Green LED: Normal operation     Yellow LED: Warning condition     Red LED: Abnormal operation   |   |                 |
| Noise level          | < 55dBA   |   |                 |
| Safety & EMC         | CE marked to EN62040-1-1:2008 & EN62040-2:2006  |   |                 |
| Weight & Dimensions  | Standard Unit Weight  | 23.0 kg   | 25.0 kg         |
|                      | Dimensions (H x W x D)  | 131 x 443 x 580 mm  |                 |
| Standard Accessories | Control Software  | Yes   | Yes             |
|                      | Input & Output Leads  | Yes   | Yes             |
|                      | Data Lead   | Yes   | Yes             |
|                      | User Manuals  | Yes   | Yes             |
|                      | Battery Leads   | Optional extra  | Optional extra  |

Dale Power Solutions Ltd reserves the right to make changes in specification without notice or liability. All information is subject to Dale Power Solutions own data & is considered accurate at time of publishing.

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