

# Echo 1000

Innovation is soundly protected

PN: PWUP-OL100EC-CG01B  
EAN: 6422956007775

## Specifications

|                                    |   |
|------------------------------------|---|
| <b>Capacity</b>                    | 1000 VA / 800 W   |
| <b>Type</b>                        | On-line   |
| <b>Input</b>                       |   |
| Nominal Voltage                    | 230 VAC   |
| Accepted Voltage Range             | 110-300 VAC   |
| Frequency Range                    | 40Hz ~ 70 Hz  |
| <b>Output</b>                      |   |
| Nominal Voltage                    | 230 VAC   |
| AC Voltage Regulation (Batt. Mode) | ±1%   |
| Frequency Range (Batt. Mode)       | 50 Hz or 60Hz ± 0.5 Hz  |
| Current Crest Ratio                | 3:1   |
| Power Factor                       | ≥ 0.8 @ nominal voltage (100% load)   |
| Harmonic Distortion                | ≤ 3 % THD (Linear Load)<br>≤ 5 % THD (Non-linear Load)  |
| <b>Transfer Time</b>               |   |
| AC to DC                           | Zero  |
| Inverter to Bypass                 | Typical 4 ms  |
| Waveform (Batt. Mode)              | Pure Sinewave   |
| <b>Efficiency</b>                  |   |
| To AC Mode                         | 90%   |
| To Battery Mode                    | 87%   |
| ECO Mode                           | 98%   |
| <b>Indicators type</b>             |   |
| Display                            | LED indicators  |
| <b>Alarm</b>                       | Load Capacity, Load & Battery level, AC mode, Battery mode, Bypass mode and Fault indicators etc. |



3 x Schuko outlets with protection



ECO Mode for Energy Saving



Pure sine wave output

- Online (double conversion)
- Pure sine wave output
- Wide Input Range (110V-300V)
- Up to 90% Efficiency Rates
- Software management
- Zero Transfer Time
- Generator Compatible
- Auto-restart
- Auto-charge

## Protection

|                 |  |
|-----------------|--|
| Outlets type    | 3x Schuko Battery Backup & Surge Protection                                  |
| Full protection | Overload, Overcharge, Over-Voltage, High Temperature, Input spike protection |

## Environment

|             |                         |
|-------------|-------------------------|
| Humidity    | 0-90 % (non-condensing) |
| Temperature | 0-40°C                  |
| Noise level | Less than 40dB          |

## Battery

|                                   |  |
|-----------------------------------|--|
| Battery Type & Number             | 12V 7Ah x 2  |
| Battery Voltage                   | 12V  |
| Typical Recharge Time             | 6 hours up to 90% capacity   |
| Charging Voltage                  | 27.3 Vdc   |
| Battery Compatibility             | nJoy PW7123  |
| Running time on battery (minutes) | 25% Load - 17 min<br>50% Load - 8 min<br>75% Load - 4 min<br>100% Load - 2 min |

## Management

|                     |  |
|---------------------|--|
| Connection port     | RS232  |
| Software            | Online download<br><a href="http://www.powermonitor.software/">http://www.powermonitor.software/</a> |
| Software capability | Monitor & Control over RS232   |

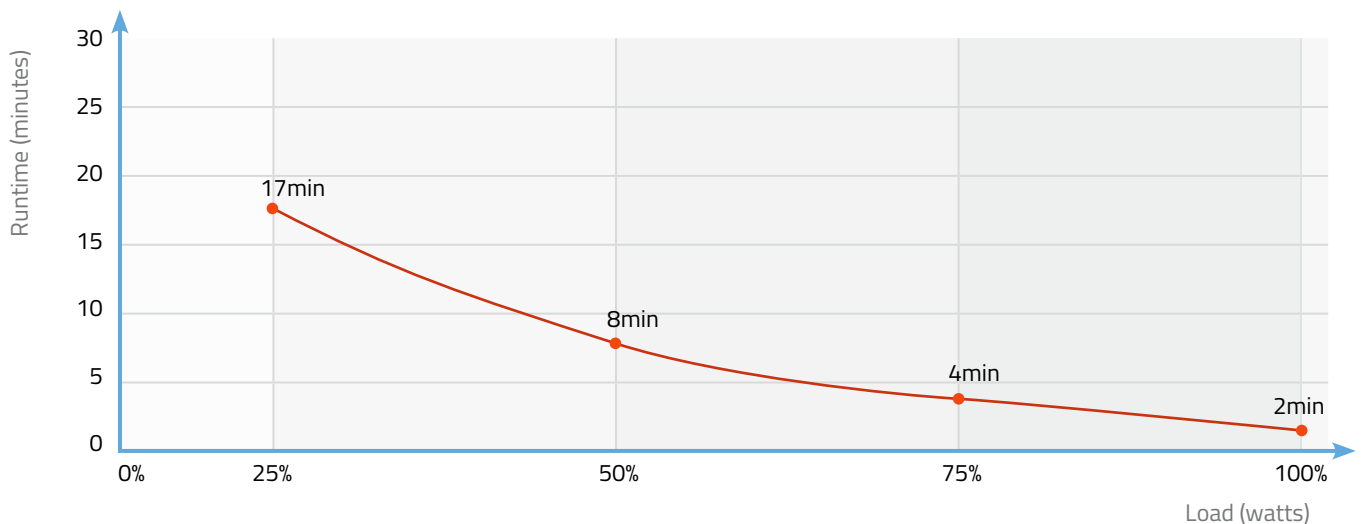


## Physical

|                        |                    |
|------------------------|--------------------|
| Product dimensions     | 327 x 140 x 191 mm |
| Product weight         | 7.8 kg             |
| Retail Pack Dimensions | 434 x 264 x 210 mm |
| Retail Pack Weight     | 8.6 kg             |



## Running time on battery



## Logistics

|                          |                             |
|--------------------------|-----------------------------|
| Carton Box Size (LxWxH)  | 434 x 210 x 264 mm          |
| Pieces in the Carton Box | 1                           |
| Net & Gross weight / CTN | N.W.: 7.8 kg / G.W.: 8.6 kg |



## Certificates

