

# On-line UPS

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## Solomon Earth Series

SEO ONE 6KRT – SEO ONE 10KRT



### ► Key Features

- Output Power Factor 1
- High Inverter Mode Efficiency 95%
- CVCF Mode Settable
- Configurable Battery Voltage Range Without Derating
- < 600mm Depth Can Fit Different Rack
- Recharge to 90% Battery Capacity within 3 Hours
- Superior Charger Capacity for Long Backup Time Model
- Maintenance Bypass Switch Optional

| Model                          |                               | SEO 6k RT   | SEO 10k RT           |
|--------------------------------|-------------------------------|---|----------------------|
| Capacity                       |                               | 6000W   | 10000W               |
| <b>Input</b>                   |                               |   |                      |
| Nominal Voltage                |                               | 208/220/230/240Vac  |                      |
| Voltage Range                  |                               | 110-276Vac  |                      |
| Frequency Range                |                               | 40-70Hz   |                      |
| Power Factor                   |                               | ≥ 0.99 @ 100% load  |                      |
| Harmonic Distortion (THDi)     |                               | <3% @ full linear load  |                      |
| <b>Output</b>                  |                               |   |                      |
| Nomial Voltage                 |                               | 220/230/240Vac  |                      |
| Voltage Regulation             |                               | ±1%   |                      |
| Frequency Range (Battery Mode) |                               | 50/60 ± 0.5Hz   |                      |
| Current Crest Ratio            |                               | 3:1 (Max.)  |                      |
| Harmonic Distortion (THDv)     |                               | ≤1% @ linear load; ≤5% @ non-linear load  |                      |
| Transfer Time                  | Battery Mode to Inverter Mode | Zero  |                      |
|                                | Inverter Mode to Bypass Mode  | Zero  |                      |
|                                | ECO Mode to Battery Mode      | 10 ms (Max.)  |                      |
| Overload Protection            |                               | 105%~125% for 10 min;125%~150% for 30sec; >150% for 500ms                           |                      |
| <b>Efficiency</b>              |                               |   |                      |
| AC Mode                        |                               | 95%   |                      |
| ECO Mode                       |                               | 98%   |                      |
| Battery Mode                   |                               | 92%   |                      |
| <b>Battery</b>                 |                               |   |                      |
| Standard Model                 | Battery Type                  | 12V/7Ah   | 12V / 9Ah            |
|                                | Total Battery Quantity        | 16  | 16                   |
|                                | Typical Recharge Time         | 3 hours recover to 90% capacity   |                      |
|                                | Charging Current              | 1.4A (0~4A adjustable)  | 2A (0~4A adjustable) |
| Long-run Model                 | Battery Type                  | Depending on external battery   |                      |
|                                | Total Battery Quantity        | 16~20 pcs (Adjustable)  |                      |
|                                | Charging Current              | 0~12A (adjustable)  | 0~12A (adjustable)   |
| <b>Interface</b>               |                               |   |                      |
| RS232                          |                               | Yes   |                      |
| HID USB Port                   |                               | Yes   |                      |
| Communication Card Slot        |                               | Optional  |                      |
| EPO                            |                               | Yes   |                      |
| <b>Indicators</b>              |                               |   |                      |
| LCD Display                    |                               | Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault conditions |                      |
| <b>Physical</b>                |                               |   |                      |
| Standard Model                 | Dimensions WxHxD (mm)         | 438 x 86.5 x 573  |                      |
|                                | Weight (Kg)                   | 14  | 16                   |
| Long-run Model                 | Dimensions WxHxD (mm)         | 438 x 129 x 593   |                      |
|                                | Weight (Kg)                   | 52(16 pcs) / 62 (20 pcs)  |                      |
| <b>Enviroment</b>              |                               |   |                      |
| Operating Humidity             |                               | < 90 % non-condensing   |                      |
| Operating Temperature          |                               | 0-40°C  |                      |
| Noise Leve @ 1meter            |                               | < 45 dB   | < 50 dB              |