GOODWE

# Smart Energy Controller

GoodWe Smart Energy Controller SEC3000C/SEC3000 enables centralized monitoring of the solar system, supporting real-time data collection and analysis. In addition, the SEC3000C allows the parallel connection of GoodWe's on-grid and hybrid inverters. As an all-in-one solution, it eliminates the need for additional meters or 4G routers, simplifying system setup and reducing costs.




- Mixed parallel & centralized monitoring for hybrid and on-grid inverters
- Adaptable EMS modes for various applications
- Support generator / smart load control and microgrid operation
- Faster data transfer speed

| Model | SEC3000 | SEC3000C |
|---|---|---|
| **Communication** | | |
| Max. Inverters Supported | RS485: 60 | RS485: 60, LAN: 10 |
| RS485 interface | 4 | |
| Ethernet | 2 × RJ45, 10 / 100Mbps | |
| 4G | Optional | |
| Digital / Analog Input / Output | DI × 4, DO × 2, AI × 4 | |
| **Configuration** | | |
| Datalogger | EzLogger3000C × 1 | |
| Switch | - | 15 Ports |
| Smart Meter | GM330 × 1 | |
| Meter Voltage Measurement Range (Vac) | 3L / N / PE: 172 ~ 415 (line voltage)<br>3L / PE: 100 ~ 240 (line voltage) | 3L / N / PE: 172 ~ 817 (line voltage)<br>3L / PE: 100 ~ 472 (line voltage) |
| Meter Frequency Measurement Range (Hz) | 50 / 60 | |
| Meter Current Measurement Range | nA: 5A (200≤n≤5000) | |
| Power Supply | - | 100 ~ 240V, 50 / 60Hz |
| Power Consumption (W) | ≤15 | ≤25 |
| **Mechanical** | | |
| Dimensions (W × H × D mm) | 450 × 400 × 242 | |
| Weight (kg) | ≤11 | ≤16.9 |
| Installation Method | Wall mounting, bracket mounting, pole mounting | |
| **Environment** | | |
| Operating Temperature Range (°C) | -30 ~ +60 | |
| Storage Temperature Range (°C) | -40 ~ +70 | |
| Relative Humidity | 0 ~ 95% (non-condensing) | |
| Max. Operating Altitude (m) | 3000 | |
| Ingress Protection Rating | IP66 | |
| Anti-corrosion Class | C5L | C5M |
| **Certification Compliance** | | |
| Certificate | CE-RED (EN18031), RCM | |

*: Please visit GoodWe website for the latest certificates.

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