

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 x RJ45, 10 / 100Mbps |
| 4G | | Optional |
| Digital / Analog Input / Output | | DI x 4, DO x 2, AI x 4 |
| Configuration | | |
| Datalogger | | EzLogger3000C x 1 |
| Switch | - | 15 Ports |
| Smart Meter | | GM330 x 1 |
| Meter Voltage Measurement Range (Vac) | 3L / N / PE: 172 ~ 415 (line voltage) 3L / PE: 100 ~ 240 (line voltage) | 3L / N / PE: 172 ~ 817 (line voltage) 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 x H x D mm) | | 450 x 400 x 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.