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*1: 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) 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 × H × D mm)	450 × 400 × 242	575 × 400 × 242
Weight (kg)	≤11	≤14
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	IP65	
Anti-corrosion Class	C5L	C5M
Certification Compliance		
Certificate	CE-RED (EN18031), RCM	

*1: SEC3000C support ET series and ESA 261kWh all in one system.
*: Please visit GoodWe website for the latest certificates.

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