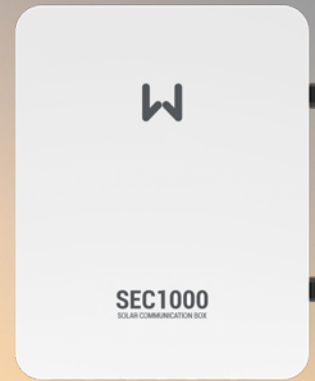


## Smart Energy Controller

The SEC is a smart energy controller entirely developed by GoodWe. When combined with a GoodWe solar inverter, it is able to achieve real-time data collection and analysis. Furthermore, the SEC can automatically adjust active power output, power factor and other parameters of a solar power plant. It can even limit AC output to the grid, which further distributes and allocates system resources more effectively. The SEC is composed of GoodWe's three-phase meter and control board. It can be connected with SEMS to control and manage the performance of inverters in each string. Small box, mighty functions!



For both on-grid and storage



Reactive power compensation



Export power control



Real-time monitoring

Model	SEC1000	SEC1000S
<b>Communication</b>		
Max. Inverters Supported	60	20
RS485 interface		3
Ethernet	1 x RJ45, 10 / 100 Mbps	
<b>Configuration</b>		
Datalogger	Ezlogger x 1	
Meter	GM3000 x 1	
Power Supply	100-280Vac, 50 / 60 Hz	
Power Consumption (W)	≤10	
<b>Mechanical</b>		
Dimensions (W x H x D mm)	350 x 460 x 143	
Weight (kg)	6	
Installation Method	Wall mounting, bracket mounting, pole mounting	
<b>Environment</b>		
Operating Temperature Range (°C)	-25 ~ +60	
Storage Temperature Range (°C)	-40 ~ +70	
Relative Humidity	0-100% (non-condensing)	
Max. Operating Altitude (m)	2000	
Ingress Protection Rating	IP65	

\*SEC1000 has two models. One is for on-grid, and the other is for storage. The on-grid one is for monitoring, export power control and reactive power compensation, while the storage one (SEC1000S) is for export power control and ET Series inverter parallel control (up to 10 units).