

# Microgrid Controller



## Product Features



### Fast Edge Control

Fast edge control cycle based on RTOS



### Plug and Play

Common external devices support plug and play, effectively shortening installation and configuration time



### No Communication Cable Required

Microgrid controller based on PLC power line communication



### Multi-Interface Communication

Supports access to most energy storage devices

Model	FR-DDCG-EMA
Dimension	170 × 190 × 46 mm
Weight	≤ 800 g
Extended Screen	Supports touchscreen extension via Ethernet port, compatible with multiple models including 7-inch, 10-inch, and 15-inch screens
Ethernet	3 ports, standard RJ connector, 100Mbps
RS485	8 ports, isolated, configurable baud rate
CAN	2 ports, isolated, configurable baud rate
Digital Output	6 channels, relay isolated
Digital Input	6 channels, relay isolated
DDC-PLC	Supports 10 magnetic rings
Network	4G full network access, supports GNSS positioning
Arc Response Time	≤ 2.5 s
Storage Method	Local storage, TF card
Mounting Method	Wall-mounted
Power Supply	Rated voltage 24VDC, ±20% allowable fluctuation
Operating Temperature	-40°C ~ 85 °C
Operating Humidity	5%~95% non-condensing
Protection Level	IP 20

