SP NGE
Microgrids
BUILDING RESILIENCE WITH SMARTER SOLAR
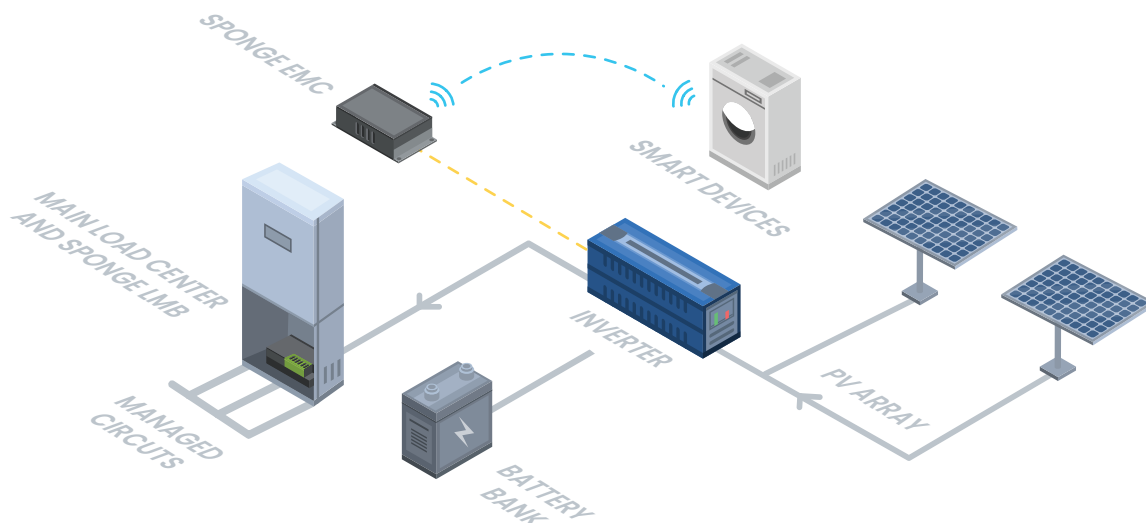
ENERGY MANAGEMENT CONTROLLER

What Is An EMC?

The Sponge Energy Management Controller (EMC) is the brain behind your solar system. The EMC leverages consumption, weather and utility data to forecast load, generation cost, and outage risk at your site on an ongoing basis. Our control algorithms use this information to determine and execute the optimal control strategy to minimize cost and maximize protection ensuring you can squeeze every last drop of value out of your system.

KEY FEATURES

- *Local data* storage and compute
- Web app for *remote monitoring* & control
- Forecasts *load, generation, cost and outage risk*
- Continuous *over-the-air updates*
- *1.5 yr average* payback period
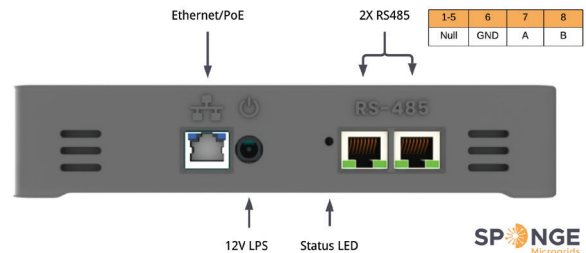- Zero-Export Control

INTEGRATION SCHEMATIC

COMPATIBLE BRANDS

...AND MORE. ASK US ABOUT NEW INTEGRATIONS!

SPONGE
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ENERGY MANAGEMENT CONTROLLER

Performance Benefits

- Up to **45%** more savings
- Up to **30%** less generator runtime
- Up to 2X better outage protection
- Reduced system payback period

Ethernet/PoE   2X RS485

1-5	6	7	8
Null	GND	A	B

RS-485

12V LPS   Status LED

SPONGE
Microgrids

Feature	EMC Base	EMC Pro	EMC Pro +
Sponge CPU	☑	☑	☑
Touchscreen	☑	☑	☑
RS485 Ports	☑	☑	☑
Passive Cooling	☑	☑	☑
1x Ethernet	☑	☑	☑
PoE	☑	☑	☑
Wifi	☑	☑	☑
Expansion Terminal	☑	☑	☑
Local Data Storage	10 Years	10 Years	10 Years
Zero Export Control	☑	☑	☑
Power Control	☐	☑	☑
Max System Size	30 kW	250 kW	Unlimited
Optimization Int.	10 Minutes	2 Minutes	2 Minutes
NEMA Enclosure	☐	☐	☑
UPS	☐	☐	☑
Network Switch	☐	☐	☑
Cellular	☐	☐	Upon Request

Get In Touch!

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