

EFOY ProCabinet 4260S & 4260SX



Reliable autonomous power supply
for industrial applications



The EFOY Pro Hybrid Solutions: what you need to know

- EFOY Fuel Cells are smart energy producers that can continuously and automatically recharge batteries.
- They're based on Direct Methanol Fuel Cell technology, which converts methanol into electricity through a single stage catalytic conversion process.
- When a solar array fails to deliver enough power, the EFOY senses the battery voltage drop and automatically switches on to keep the battery bank charged.
- Once the battery is recharged, the fuel cell returns to standby mode – no maintenance or user intervention required.
- EFOY Pro Fuel Cells have Modbus RTU communications built into the firmware, which allows operators to remotely monitor and control the system and schedule fuel replacements.
- EFOY Pro Hybrid solutions deliver 30 – 50% total cost of ownership savings over alternative off-grid technologies.
- EFOY Pro Fuel Cells are 10 X more efficient, produce up to 99% fewer emissions and only consume 1 – 2% of the volume of fuel vs fuel gas genset technology.

Dependable off-grid power is a challenge in any application, but in industries where the landscape is constantly shifting, the challenge is even greater.

The rugged, purpose-built **EFOY ProCabinet** integrates the fuel cell in an insulated NEMA 3R rated enclosure which includes fuel cartridges, battery bank, solar charge controller, power distribution and room for integrating customer equipment.

EFOY ProCabinet Hybrid systems are designed to provide approximately 12 months of fuel autonomy, making them ideal for long term autonomous deployments.



Find more information on efoy-pro.com

ProCabinet system design



Guaranteed power availability **24/7/365**

EFOY ProCabinet Specs

Dimensions (D x W x H)
Weight (empty, on stand)
Housing
Housing color – standard
IP-protection category

4260S

1626 x 1321 x 2083mm / 64 x 52 x 82 inch
454 kg / 1000 lbs
Powder coated steel enclosure
White
Nema 3R Weatherproof

4260SX

1626 x 1626 x 2083mm / 64 x 64 x 82 inch
544 kg / 1200 lbs
Powder coated steel enclosure
White
Nema 3R Weatherproof

Hybrid Power Supply Specs

EFOY Fuel Cell
Solar Panels (subject to design)
Solar Charge Controller
Nominal voltage
Temperature range
Certification

EFOY Fuel Cartridges
Battery capacity @ 24 V / 48 V
EFOY Remote Monitoring
Additional space for customer equipment

EFOY Pro 12000 Duo (500W)
Up to 12 x 415 Wp 72 cell solar panels (4980W)
96A MPPT
24 V or 48 V
-40 °C to +50 °C / -40 °F to +122 °F
cETLus Certified to CAN/CSA Standard 22.2 No. 14 and conforms to UL508A
4 x MT60 (60L) cartridges
500Ah 48V lead carbon batteries
Modbus TCP or EFOY Cloud
Yes – on back pan in extended side cabinet

EFOY Pro 12000 Duo (500W)
Up to 12 x 500Wp
100A or 2 x 100A MPPT
24 V or 48 V
-40 °C to +50 °C / -40 °F to +122 °F
cETLus Certified to CAN/CSA Standard 22.2 No. 14 and conforms to UL508A
4 x MT60 (60L) cartridges
500Ah 48V lead carbon batteries
Modbus TCP or EFOY Cloud
Yes – on back pan in extended side cabinet

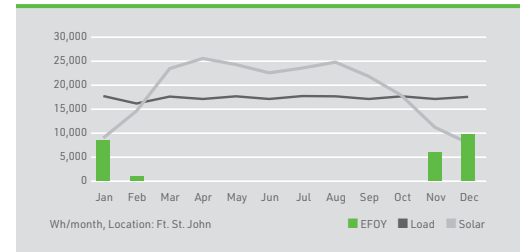
EFOY Pro Hybrid Solutions

Guaranteed power availability 24 / 7 / 365.

Smart, automatic battery charging supplements solar shortfalls.

4x MT60 fuel cartridges provide 264 kWh of energy autonomy – enough to power a 300 W load for 37 days without any solar input.

Combined with a solar array, the hybrid solution provides approximately 12 months of energy autonomy and superior power reliability.



Certified safety

