

Data Sheet

EFOY ProEnergyBox 4060P

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Dimensions (l x w x h)	42.75" x 30.75" x 29.24" / 108.6 x 78.1 x 74.3 cm
Weight (empty)	108.00 lbs / 48.9 kg
Housing	Grey, HDPE, transport handles
Temperature range	-40 °F to +122 °F / -40 °C to +50 °C
IP-code	IP 43D
Nominal voltage	12 V or 24 V

Configuration Possibilities

Compatible EFOY Pro Fuel Cells	EFOY Pro 800 Duo / 2400 Duo
Number of EFOY Fuel Cartridges	max. 2 x M28
Compatible batteries	AGM, Gel, LiFePO4
Battery installation space (l x w x h)	13.3 x 21.2 x 8.5 in / 338 x 538 x 216 mm
Solar Charge Controller	Standard: 25 A MPPT Optional: 45 A or 60 A MPPT

Features

- Integrated Morningstar ProStar 25A MPPT solar charge controller for Hybrid system operation
- Thermostatically controlled heat traced water vapor exhaust tube outlet and exhaust fan to regulate internal box temperature and prevent freezing/overheating
- Water/Snow intrusion resistant air supply and waste heat ducts
- EFOY Pro pre-wired electrical connection and mounting plate
- Slots, plugs and cable for outdoor connection including water and dust protection
- Installation space for up to 2x 100 Ah 12V batteries
- Installation space for up to 2x M28 Fuel Cartridges

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System delivery content

- EFOY ProEnergyBox 4060P
- 2x M28 Fuel Cartridge Adapter
- Battery connection cable and cable bridge for the connection of two batteries
- Operation panel OP2 with data cable and mounting plate
- User manuals incl. built drawing package with mechanical layout and electrical diagram

System components provided as loose items

- EFOY Pro Fuel Cell – Pro 800 / 2400
- EFOY Fuel Cartridge – M10 / M28
- Batteries
- Solar panels, mounting kit & accessories (optional)

Plugs / Slots

DC OUT	ITT Cannon CA3102E20-23S-B-01 (IP 68)
DC IN	ITT Cannon CA3102E20-23P-B-01 (IP 68)

Fuel Cells	EFOY Pro 800 Duo	EFOY Pro 2400 Duo
Nominal Power output	45 W	110 W
Charging current at 12 V / 24 V	3.75 A / 1.88 A	9.17 A / 4.58 A
Weight	8.3 kg / 18.3 lbs	9.3 kg / 20.5 lbs
Nominal consumption	0.9 L / kWh	
Dimensions (l x w x h)	17.04 x 7.40 x 10.95 in / 433 x 188 x 278 mm	
Inclination along the roll axis	Permanent: max. 35°; temporary (<10 min): max. 45°	
Inclination along the lateral axis	Permanent: max. 20°	

²Power output varies by ±10 %, decreases with the operation hours. Specification valid within warranty period.

Fuel Cartridges	M10	M28 (only with M28-Adapter)
Volume	2.6 gallons / 10 L	7.4 gallons / 28 L
Weight	18.5 lbs / 8.4 kg	51.6 lbs / 23.4 kg
Nominal capacity	11.1 kWh	31.1 kWh
Autonomy @ 50 W	220 h	622 h
Dimensions (l x w x h)	9.1 x 7.6 x 12.5 in / 230 x 193 x 318 mm	14.6 x 11.2 x 15.6 in / 370 x 285 x 395 mm

**** Customized EFOY ProEnergyBox configurations are available, please contact Simark Controls for more details ****