

EFOY ProCube 2060A-3



Product image may differ; illustration includes special accessories

EFOY ProCube 2060A-3

Dimensions (l x w x h)	937 x 787 x 480 mm / 36.9 x 31.0 x 18.9 in
Weight (empty)	17.5 kg / 38.6 lbs
Housing	Aluminum-housing with transportation handles
Operating temperature	-20 °C to +50 °C / -4 °F to 122 °F
IP protection class	IP 33
Nominal voltage	12 V DC or 24 V DC possible

Features

- Active ventilation at temperatures above +35 °C
- Air supply and waste heat duct
- Exhaust hose
- Solar charge controller for solar hybrid system
- battery deep discharge protection
- EFOY Pro mounting plate for fuel cell installation
- Electrical connection EFOY Pro Fuel Cell
- Cable entries for external connection
- Installation space for batteries
- Installation space for up to 2x M28 Fuel Cartridges

Configuration possibilities	
Compatible Fuel Cells	EFOY 80/150, EFOY Pro 900/1800/2800
Compatible EFOY Fuel Cartridges	2 x M28 (M28-Adapter required)
EFOY Fuel Manager	EFOY FM2
Compatible batteries	EFOY Li Battery, Lead-Gel, AGM, LiFePO4
Battery installation space (l x w x h)	460 x 370 x 230 mm / 18.1 x 14.6 x 9.1 in (fits for max. 2x 130 Ah)
Solar charge controller	Standard: 20 A including deep discharge protection Further models optionally available

Optional Configuration: Accessories	
Fuel Sensor FS2	Informs the user when the fuel level drops under a defined level
Operating panel OP3	Operate the EFOY Energy Solution on site without additional devices
Bluetooth Adapter BT2	Operate the EFOY Energy Solution via your own smartphone or tablet
Modem	For remote monitoring purposes, connect the EFOY Energy Solution to the Internet
DC/DC Converter	Provides individual configured DC Output Voltage, independent from the battery voltage
Battery Equalizer	Extends the lifetime of the batteries by balancing voltages when charging batteries are in series connection

Data Sheet (preliminary)

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Fuel cells ¹	EFOY 80	EFOY 150	EFOY Pro 900	EFOY Pro 1800	EFOY Pro 2800
Max. output power	40 W	75 W	42 W	82 W	125 W
Output Power ² within 3.000 h	24 W	45 W	34 W	68 W	105 W
Output Power ² within 6.000 h	--- ³	--- ³	28 W	56 W	87 W
Max. charging current @ 10.5 V	3.8 A	7.1 A	4.0 A	7.8 A	11.9 A
Weight	6.5 kg	6.9 kg	6.5 kg	7.2 kg	7.8 kg
Nominal consumption ⁴	0.9 l / kWh				
Operating temperature ⁵	EFOY: -20 °C to +40 °C / -4 °F to +104 °F EFOY Pro: -20 °C to +50 °C / -4 °F to +122 °F				
Dimensions (l x w x h)	448 x 198 x 275 mm				

Note: further data on separate data sheet available



Fuel cartridges	M28 (M28-Adapter required)
Volume	28 l / 7.4 gallons
Weight	23.4 kg / 51.6 lbs
Nominal capacity	31.1 kWh
Autonomy @ 50 W	622 h
Dimensions (l x w x h)	370 x 285 x 395 mm / 14.6 x 11.2 x 15.6 in

Note: further data on separate data sheet available



¹ All performance data apply to the connection of the charging cable to the EFOY.

² The output power varies by $\pm 10\%$ and decreases with the operating hours, depending on the installation situation and the operating conditions.

³ Operation still possible after 3000 h, no guaranteed power output.

⁴ Effective consumption depends on operating conditions and hours.

⁵ The output power may be reduced at temperatures above +35 °C / 95 °F (EFOY) and +42 °C / 108 °F (EFOY Pro). At temperatures below 0 °C, charging lithium batteries (LiFePO4) may not always be possible. Follow the instructions from the battery manufacturer.