

EFOY ProEnergyCase 2020P-3



Product image may differ; illustration includes special accessories

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Dimensions (l x w x h)	795 x 615 x 444 mm / 31.3 x 24.2 x 17.5 in
Weight (empty)	18 kg / 39.7 lbs
Housing	Pelicase 1630 including handle bars and transport wheels
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
- Electrical connection EFOY Pro Fuel Cell
- Cable entries for external connection
- Installation space for batteries
- Installation space for up to 2x M10 Fuel Cartridges

Configuration possibilities	
Compatible Fuel Cells	EFOY 80/150, EFOY Pro 900/1800/2800
Compatible EFOY Fuel Cartridges	2 x M10
EFOY Fuel Manager	EFOY FM2
Compatible batteries	EFOY Li Battery, Lead-Gel, AGM, LiFePO4
Battery installation space (l x w x h)	(1x 130 Ah): 410 x 176 x 227 mm / 16.1 x 6.9 x 8.9 in (2x 60 Ah): each 229 x 138 x 227 mm / 9.0 x 5.4 x 8.9 in
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

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 available on separate data sheet



Fuel cartridges	M10
Volume	10 l / 2.64 gallons
Weight	8.4 kg / 18.5 lbs
Nominal capacity	11.1 kWh
Autonomy @ 50 W	222 h
Dimensions (l x w x h)	230 x 193 x 318 mm / 9.1 x 7.6 x 12.5 in

Note: further data available on separate data sheet



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.