

Data Sheet – EFOY Pro Series Fuel Cells

Fuel Cells	EFOY Pro 600	EFOY Pro 1600	EFOY Pro 2200	EFOY Pro 2200 XT
Max. charging power per day	600 Wh/day	1560 Wh/day	2160 Wh/day	2160 Wh/day
Nominal power	25 W	65 W	90 W	90 W
Nominal voltage	12 V / 24 V	12 V / 24 V	12 V / 24 V	12 V / 24 V
Nominal charging current at 12 V / 24 V	2.1 A / 1.05 A	5.4 A / 2.7 A	7.5 A / 3.75 A	7.5 A / 3.75 A
Recommended battery capacity ¹ at 12 V at 24 V	10 to 100 Ah 5 to 50 Ah	40 to 250 Ah 20 to 120 Ah	60 to 350 Ah 30 to 175 Ah	60 to 350 Ah 30 to 175 Ah
Weight	6.8 kg (15 lbs)	8.3 kg (18.3 lbs)	8.6 kg (19 lbs)	8,95 kg (19,7 lbs)
Warranty	24 months / 3000 hours	24 months/ 3000 hours	24 months / 3000 hours	24 months/ 4500 hours
Switching threshold for automatic battery charging at 12 V / 24 V ²	On: <12.3 V / <24.6 V Off: >14.2V / >28.4 V			
Required start-up voltage at 12 V / 24 V	>9 V / >18.5 V			
Noise level (at 1m / 7m distance)	39 / 23 dB(A)			
Nominal consumption ³	0.9 l/kWh			
Quiescent current draw	15 mA			
Operating temperature	-20 °C to +45 °C (-4°F to +113°F)			
Start-up temperature	+5 °C to +45 °C (41°F to 113°F)			
Storing temperature	+1 °C to +45 °C (34°F to 113°F)			
Recommended altitude	Up to 1500 m (4920 ft)			
Dimensions L x W x D	433 x 188 x 278 mm (17 x 8 x 11 in)			
Inclination along the roll axis	Permanent: max. 35°; temporary (<10 min): max. 45°			
Inclination along the lateral axis	Permanent: max. 20°			
User-Interface	At the unit or via Remote Control with text display			
Data-Interface	RJ-45 plug for accessories (e.g. Interface adapter)			
Electrical Interface	MNL-plug 4-pins (e.g. Tyco Electronics Universal Mate-N-Lok – Nr. 350779)			

¹ Depends on battery type and application - bigger batteries possible, if charging current sufficient (e.g. solar battery)

² Factory Setting - can be modified with Interface Adapter and PC

³ Effective consumption depends on operating conditions

Standard Accessory Set
<ul style="list-style-type: none"> • Remote control with cable • Mounting plate for EFOY Pro • Charge line for battery connection • Fuel cartridge holder with belt • Off heat duct • Exhaust hose • Service fluid and user manual

Accessories
M28 adapter
EFOY ProCube
DuoCartSwitch DCS1
GSM modem GSM-2-SMS
Fuel cartridge sensor FS1
Interface adapter IA1
USB adapter
Cluster controller CC1

Fuel Cartridges	M5	M10	M28 (only with M28-Adapter)
Volume	5 l (1.32 gallons)	10 l (2.64 gallons)	28 l (7.4 gallons)
Weight	4.3 kg (9.5 lbs)	8.4 kg (18.5 lbs)	22 kg (48.5 lbs)
Nominal capacity	5.5 kWh	11.1 kWh	31.1 kWh
Dimensions L x W x D	190 x 145 x 283 mm	230 x 193 x 318 mm	420 x 280 x 360 mm