

Data Sheet – EFOY Pro 12000 Duo



	EFOY Pro 12000 Duo
Max. nominal power	500 W
Min. nominal power 3,000 h ¹	400 W
Min. nominal power 4,500 h ¹	350 W
Nominal voltage	24 V DC / 48 V DC
Max. charging current at 24 V / 48 V	20.8 A / 10.4 A
Minimal battery capacity ² (Lead acid, gel, AGM and LiFePO ₄)	24 V: 200 Ah (C10)
	48 V: 100 Ah (C10)
Weight	70.6 lbs / 32 kg
Warranty ³	12 Month / 3,000 operating hours
Connectable cartridges (with DCS1)	2 (4)
Length of fuel cartridge connector	27.6 in / 70 cm
Minimum battery voltage	18.5 V DC
Maximum battery voltage	60 V DC
Noise level (at 1m / 7m distance)	<60 dB(A) / <43 dB(A)
Nominal consumption ⁵	0.9 l/kWh
Quiescent current draw at 24 V	75 mA
Operating temperature	-4 °F to +122 °F / -20 °C to +50 °C
Start-up temperature	+37.4 °F to +122 °F / +3 °C to +50 °C
Storing temperature	+34 °F to +122 °F / +1 °C to +50 °C
Recommended altitude ⁴	Standard: ≤ 10.000 ft / ≤ 3.000 m
Dimensions L x W x H (without 19" bars)	26. x 17.4 x 12.2 in (7U) / 670 x 441 x 310 mm (7U)
International protection (IP-Class)	IP 20
Inclination along the roll axis	Permanent: max. 10°; temporary (<10 min): max. 45°
Inclination along the lateral axis	Permanent: max. 10°; temporary (<10 min): max. 45°
User-Interface	At the unit with text display or via external operating panel OP2
Data-Interface RS232	RJ-45 plug
Data-Interface Modbus RTU	RJ-45 (RS232, RS485 and I/O terminals (A. B. GND))
Electrical interface power	Positive (+) and negative (-) terminals, min. 10 mm ²
Electrical interface sense	Positive (+) and negative (-) terminals, min. 2 mm ²
Electrical interface ground	Terminal, min. 2 mm ²

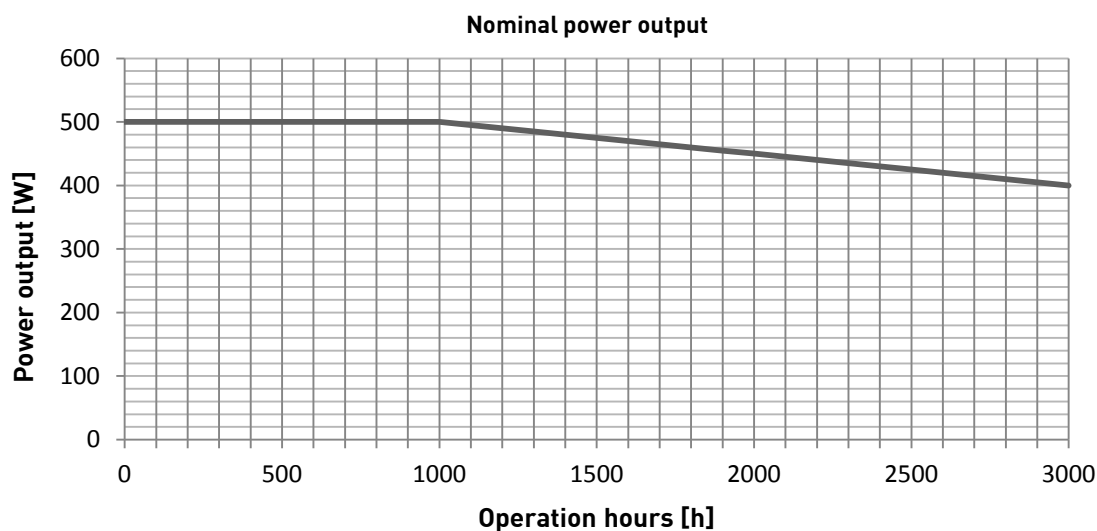
Data Sheet – EFOY Pro 12000 Duo

Fuel Cartridge	M28 ⁶	MT60
Volume	7.4 US gallons / 28 litre	15.85 US gallons / 60 litre
Weight	51.6 lbs / 23.4 kg	121 lbs / 55 kg
Nominal capacity	31.1 kWh	66 kWh
Dimensions D x W x H	14.6 x 11.2 x 16.7 in / 370 x 285 x 425 mm	13.4 x 15.4 x 26.4 in / 340 x 390 x 670 mm

Scope of Delivery

Qty	Part Number	Description
1 x	-	EFOY Pro 12000 Duo
1 x	500 903 001	Initial Start Fluid 1.5l
2 x	500 903 002	Recovery Fluid 0.5l
1 x	500 904 001	Insulated exhaust hose 1m EFOY Pro 12000 Duo
1 x	500 901 001	User manual EFOY Pro 12000 Duo

Output power progress ¹



¹ Nominal power varies by $\pm 10\%$, decreases with the operation hours. Specification valid within warranty period.

² Depends on battery type and application - bigger batteries possible, if additional energy source available (e.g. solar)

³ Regional warranty conditions for EFOY Pro fuel cells apply.

⁴ Factory Setting - can be modified with Interface Adapter and PC or operating panel OP2.

⁵ Effective consumption depends on operating conditions.

⁶ M28-Adapter necessary for connecting a M28 fuel cartridge