

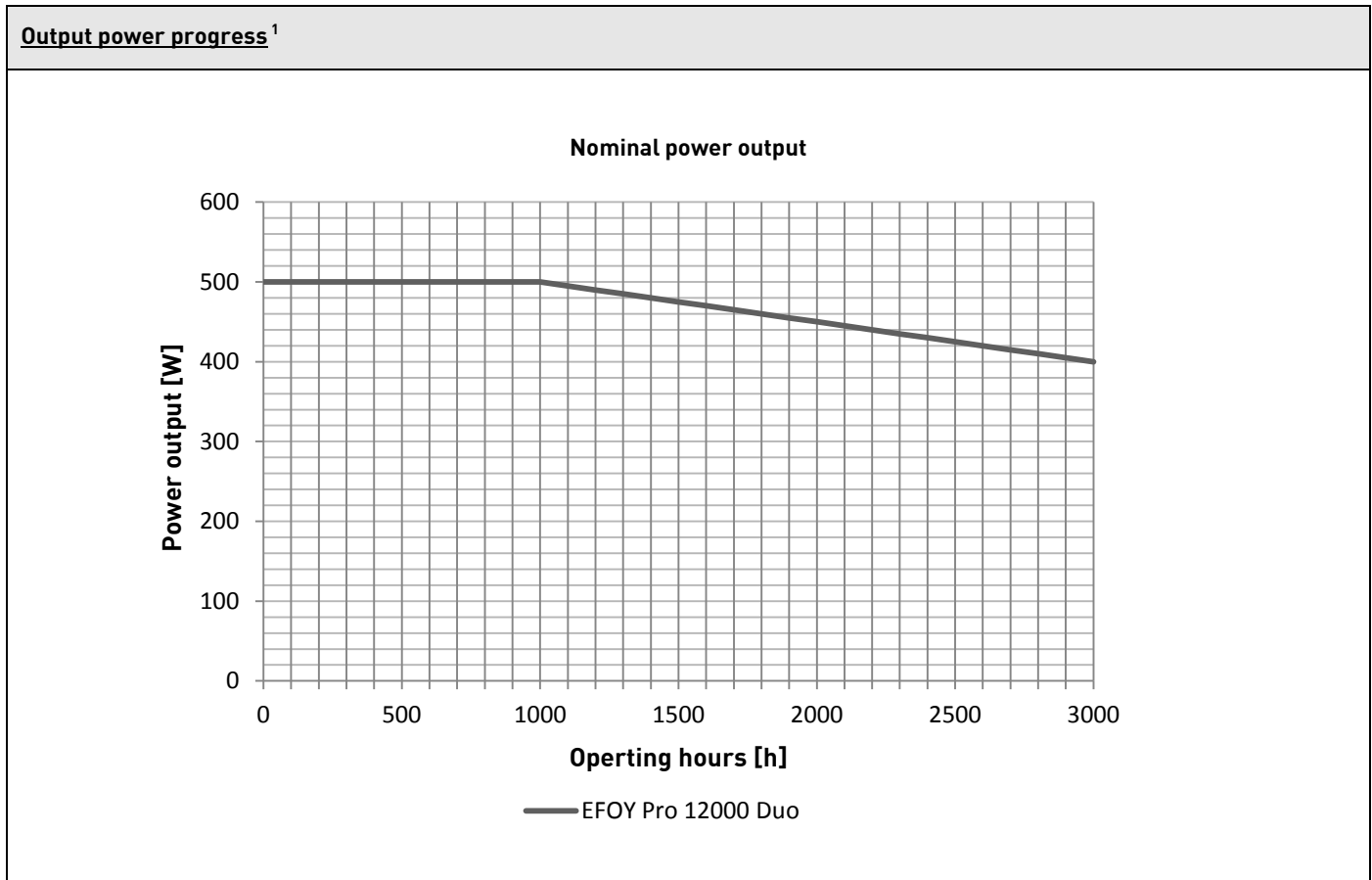
# Preliminary Data Sheet – EFOY Pro 12000 Duo



	<b>EFOY Pro 12000 Duo</b>
Max. nominal power	500 W
Min. nominal power <sup>1</sup>	400 W
Nominal voltage	24 V DC / 48 V DC
Max. charging current at 24 V / 48 V	20.8 A / 10.4 A
Min. charging current at 24 V / 48 V <sup>1</sup>	16.7 A / 8.3 A
Minimal battery capacity <sup>2</sup> (Lead acid, gel, AGM and LiFePO4)	24 V: 200 Ah (C10)
	48 V: 100 Ah (C10)
Weight	32 kg / 70.6 lbs
Warranty <sup>3</sup>	24 Month / 3.000 operating hours
Connectable cartridges (with DCS1)	2 (4)
Length of fuel cartridge connector	70 cm / 27.6 in
Minimum battery voltage	18 V
Maximum battery voltage	64 V
Noise level (at 1m / 7m distance)	58 dB(A) / 41 dB(A)
Nominal consumption <sup>5</sup>	0.9 l/kWh
Quiescent current draw at 24 V	150 mA
Operating temperature	-20 °C to +50 °C / -4 °F to +122 °F
Start-up temperature	+3 °C to +50 °C / +37.4 °F to +122 °F
Storing temperature	+1 °C to +50 °C / +34 °F to +122 °F
Recommended altitude <sup>4</sup>	Standard: ≤ 3,000 m / ≤ 10,000 ft (up to 4,000 m / 13,123 ft)
Dimensions L x W x H (without 19" bars)	640 x 441 x 310 mm / 25.2 x 17.3 x 12.2 in
International protection (IP-Class)	IP 10
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	RJ45 plug
Data-Interface Modbus	RJ45 and I/O terminals (A. B. GND)
Electrical interface power	Positive (+) and negative (-) terminals: min. 10 mm <sup>2</sup>
Electrical interface sense	Positive (+) and negative (-) terminals: min. 2 mm <sup>2</sup>
Electrical interface ground	Terminal: min. 2 mm <sup>2</sup>

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Fuel Cartridge	M28 <sup>6</sup>	4 x M28
Volume	28 litre / 7.4 US gallons	112 litre / 29.6 US gallons
Weight	23.4 kg / 51.6 lbs	93.6 kg / 206.4 lbs
Nominal capacity	31.1 kWh	124.4 kWh
Dimensions D x W x H	370 x 285 x 425 mm / 14.6 x 11.2 x 16.7 in	



<sup>1</sup> Nominal power varies by ±10 %. decreases with the operation hours. Specification valid within warranty period.

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

<sup>3</sup> Regional warranty conditions for EFOY Pro fuel cells apply.

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

<sup>5</sup> Effective consumption depends on operating conditions.

<sup>6</sup> M28-Adapter necessary for connecting a M28 fuel cartridge