

EFOY Pro	800	800 Duo	2400
Power output	45 W		110 W
Power output after (operating hours)¹	25 W (4,500 h)		80 W (4,500 h)
Nominal voltage	12 V DC / 24 V DC		12 V DC / 24 V DC
Charging current	3.75 A / 1.88 A		9.17 A / 4.58 A
Charging current after (operating hours)	2.08 A / 1.04 A (4,500 h)		6.67 A / 3.33 A (4,500 h)
Recommended battery capacity²	12 V: 40 to 160 Ah 24 V: 10 to 100 Ah		12 V: 80 to 350 Ah 24 V: 40 to 175 Ah
Weight	8.0 kg (17.6 lbs)	8.3 kg (18.3 lbs)	9.0 kg (19.8 lbs)
Warranty³	24 months / 4,500 operating hours		24 months / 4,500 operating hours
Connectable cartridges	M5, M10, MT60 / M28 only with M28 adapter		M5, M10, MT60 / M28 only with M28 adapter
Number of connectable cartridges (with DCS1)	1 (2)	2 (4)	1 (2)
Length fuel cartridge connector	70 cm / 27.6 in		70 cm / 27.6 in
Switching threshold for automatic battery charging at 12 V / 24 V / 48 V⁴	On: 12.3 V / 24.6 V / -- Off: 14.2 V / 28.4 V / --		On: 12.3 V / 24.6 V / -- Off: 14.2 V / 28.4 V / --
Required start-up voltage at 12 V / 24 V / 48 V	9 V / 18.5 V / --		9 V / 18.5 V / --
Maximum battery voltage at 12 / 24 V / 48 V	16 V / 32 V / --		16 V / 32 V / --
Noise level (at 1m / 7m distance)	42 dB(A) / 25 dB(A)		42 dB(A) / 25 dB(A)
Nominal Consumption⁵	0.9 l/kWh		0.9 l/kWh
Quiescent current draw at 12 V	20 mA		20 mA
Operating temperature⁶	-20 °C to +50 °C / -4 °F to +122 °F		-20 °C to +50 °C / -4 °F to +122 °F
Start-up temperature	=+3 °C to +50 °C / +37.4 °F to +122 °F		=+3 °C to +50 °C / +37.4 °F to +122 °F
Storing temperature	=+1 °C to +50 °C / +34 °F to +122 °F		=+1 °C to +50 °C / +34 °F to +122 °F
Altitude⁷	Standard: 1,500 m / 4,920 ft (up to 2,000m / 6,561 ft)		Standard: 1,500 m / 4,920 ft (up to 2,000m / 6,561 ft)
Dimensions D x W x H	433 x 188 x 278 mm / 17 x 8 x 11 in		433 x 188 x 278 mm / 17 x 8 x 11 in
International Protection (IP-Class)	IP 21		IP 21

Inclination along the roll axis	Permanent: max 35°; temporary (<10 min); max 45°	Permanent: max 35°; temporary (<10 min); max 45°
Inclination along the lateral axis	Permanent: max. 20°	Permanent: max. 20°
Communication protocols	MODBUS RTU; Clear text protocol (SIO commands)	MODBUS RTU; Clear text protocol (SIO commands)
User-Interface	At the unit or via Operating Panel OP2 with text display	At the unit or via Operating Panel OP2 with text display
Data-Interface	RS232 RJ-45 plug for accessories (e.g. Interface adapter)	2 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)	MNL-plug 4-pins (e.g. Tyco Electronics Universal Mate-N-Lok - Nr. 350779)

12000 Duo

500 W

400 W (3,000 h)

24 V DC / 48 V DC

20.83 A / 10.42 A

16.67 A / 8.33 A (3,000 h)

24 V: 200 to 875 Ah

48 V: 100 bis 450 Ah

32.0 kg (70.6 lbs)

24 months / 3,000 operating hours

M5, M10, MT60 / M28 only with M28
adapter

2 (4)

73 cm / 28.7 in

On: -- V / 24.4 V / 48.8 V

Off: -- V / 28.4 V / 57.6 V

-- / 20 V / 36 V

-- / 31 V / 62 V

62 dB(A) / 45 dB(A)

0.9 l/kWh

75 mA (at 24 V)

-20 °C to +50 °C / -4 °F to +122 °F

=+3 °C to +50 °C / +37.4 °F to +122 °F

=+1 °C to +50 °C / +34 °F to +122 °F

up to 4,000 m / 13,123 ft

640 x 441 x 310 mm / 25.2 x 17.3 x 12.2 in

(7HE)

IP 20

Permanent: max. 10°; temporary (<10 min): max. 45°

Permanent: max. 10°; temporary (<10 min): max. 45°

MODBUS RTU; Clear text protocol (SIO commands)

At the unit with text display or via external operating panel OP2

RS232 RJ-45 plug

2x RS485 RJ-45 plug

I/O terminals (A, B, GND)

Power: +/- terminals: min. 10 mm²

Sense: +/- terminals: min. 2 mm²

Ground: Terminal: min. 2 mm²