

Data Sheet – EFOY COMFORT-Fuel Cells

Fuel Cells	EFOY COMFORT 80	EFOY COMFORT 140	EFOY COMFORT 210
Max. charging power per day	960 Wh/day 80 Ah/day	1728 Wh/day 144 Ah/day	2520 Wh/day 210 Ah/day
Nominal power	40 W	72 W	105 W
Nominal voltage	12 V	12 V	12 V
Nominal charging current at 12 V	3,3 A	6,0 A	8,75 A
Recommended battery capacity* at 12 V	40-160 Ah	60-250 Ah	80-350 Ah
Weight	7 kg	7,5 kg	8,2 kg
Switch-on voltage**	< 12,3 V		
Switch-off voltage**	> 14,2 V		
Switch-off current**	2 A	2 A	4 A
Switch-on delay**	60 s		
Required start-up voltage at 12 V	>9 V		
Noise level (at 7m distance)	25 dB(A)		
Nominal consumption***	0.9 l/kWh		
Quiescent current draw	15 mA		
Operating temperature	-20 °C to +40 °C		
Start-up temperature	+5 °C to +40 °C		
Storing temperature	+1 °C to +45 °C		
Recommended altitude	Up to 1500 m		
Dimensions (L x W x H)	443 x 202 x 288 mm		
Space requirement (L x W x H) incl. M10 Fuel Cartridge	Min.: 680 x 380 x 340 mm		
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 Operating Panel 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)		

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

** Factory Setting - can be modified with Operating Panel (Expert menu) or Interface Adapter and PC

*** Effective consumption depends on operating conditions

Standard Accessory Set

- Operating panel White with cable
- Mounting plate with belt for EFOY COMFORT
- Charge line for battery connection
- Fuel cartridge holder with belt
- Off heat duct Set EFOY COMFORT
- Isolated exhaust hose
- User manual and Service fluid

Fuel Cartridges	M5	M10
Volume	5 l	10 l
Weight	4.3 kg	8.4 kg
Nominal capacity	5.5 kWh	11.1 kWh
Dimensions (L x W x D)	190 x 145 x 283 mm	230 x 193 x 318 mm