

FEVT energy pack



FEVT energy pack is a power supply, which includes a rechargeable battery. The FEVT energy pack can be used for powering mains powered equipments in mobile use. FEVT Energy pack product family M models comply requirements of European Council medical device directive (93/42/EEC).

FEVT energy pack charger input can be connected to 100 – 240 VAC mains voltage. FEVT energy pack is provided with either 230 V 50 Hz AC mains output or DC output.

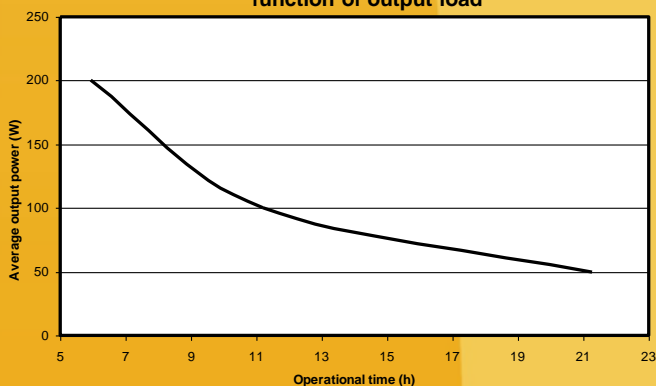
The capacity of an internal battery is indicated by capacity display located in a cover of energy pack.

Technical Specification

Model	Battery	Capacity	Charging time	Note
M750D	Lithium-ion	750 Wh	4 h	Charging 0% → 100% . Output load 0 W, environment temperature < 35 °C
C/M1200D	Lithium-ion	1200 Wh	6 h	
C/M1400D	Lithium-ion	1400 Wh	6 h	
C/M1400A	Lithium-ion	1400 Wh	6 h	

Model	Output voltage	Output current	Frequency	Output power	Note
M750D C/M1200D	17,5 – 30,0 VDC	Cyclic 15 A Continuous 10 A			
C/M1400D	20,0 – 34,0 VDC	Cyclic 15 A Continuous 10 A			
C/M1400A	230 VAC +/- 3%		50 Hz pure sine wave	Continuous use (Simultaneous charging and discharging):	
				200 W	Capacity > 1/3
				180 W	Capacity < 1/3
				300 W	Temporary
				Cyclic use (Discharging):	
				200 W	
	300 W	Temporary			

Operational time for C/M1400A device as function of output load



Charging interface

Connector type	IEC 320
Input voltage	100 VAC – 240 VAC
Frequency	47 Hz - 63 Hz
Input current	4,6 A - 1,6 A

Output

M750D C/M1200D C/M1400D	2 x SELV 24 VDC (IEC 884-2-4)
C/M1400A	2 x schuko CEE 7/4 type AC outlet

Contact information:

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Approvals			
FEVT Energy pack product family Cxxxxx complies requirements of European Council directives 89/336/EEC ja 2006/95/EC.		FEVT Energy pack product family Mxxxxx complies requirements of European Council directive 93/42/EEC.	
EN 60950 / IEC 60950	Safety of information technology equipment	IEC/EN60601-1	Medical electrical equipment – General requirements for safety and essential performance
EN 61000-6-3	Electromagnetic compatibility Emission standard for residential, commercial and light-industrial environment	IEC/EN60601-1-2	Medical electrical equipment - Electromagnetic compatibility requirements and tests
EN 61000-6-1	Electromagnetic compatibility Immunity standard for residential, commercial and light-industrial environment	IEC60529	Degree of protection IP24
2002/95/EC	RoHS	2002/95/EC	RoHS
2002/96/EC	WEEE	2002/96/EC	WEEE

Mechanical Specifications	
Dimensions (K x L x P)	320 x 174 x 525 mm
Weight	M750D: 23,80 kg, C/M1200D: 24,00 kg, C/M1400D: 25,35 kg, C/M1400A: 26,60 kg

Environmental Specifications	
Operational temperature	0 – 40 °C
Transportation / short term storing temperature	- 25 °C - + 70 °C
Storing temperature	+ 5 °C - + 28 °C
Humidity operational / storing	< 95 % RH
Humidity transportation / short term storing	< 95 % RH

Contents of delivery
User guide (finnish / swedish)
Mains cord for charger (IEC 320 / Schuko)
Energy pack device models with DC output includes IEC 884-2-4 type cable plug (SELV 24 VDC)

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