

FAAM

FLL 12-24

DIMENSIONAL FEATURES

Nominal Voltage	12V	Tecnology: AGM VRLA Alloy: Pb/Ca Typology of plates: flat Temperature exercise: from -10°C to +50°C Battery sealed no maintenance Safety valves VRLA (a valve per each cell) Box and lid material ABS according UL94:V0 IEC 707 Design life >12 years (at 20°C) "Long Life" Standards: IEC CEI EN 60896 Parts 21 and 22	
Nominal Capacity (20 hours)	24Ah (Vfin 1,8Vpc at 20°C)		
Dimensions	Length		166 ±2mm
	Width		176 ±2mm
Dimensions	Box Height	125 ±2mm	
	Total Height	125 ±2mm	
Drawing n° 4 00250-0	Weight 8,1 Kg ± 5%		
Standard Terminals	Female screw type : M5		

	<p>Bolt-and-nut terminal Bolt Type:M5</p> <p>(in mm)</p>
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ELECTRIC FEATURES

Characteristics			Discharging curves (20°C)	
Capacity	20 hours (1,8Vfin pc at 20°C)	24,00Ah		
	10 hours (1,8Vfin pc at 20°C)	22,00Ah		
	5 hours (1,7Vfin pc at 20°C)	19,35Ah		
	3 hours (1,7Vfin pc at 20°C)	17,00Ah		
	1 hour (1,6Vfin pc at 20°C)	13,50Ah		
Temperature influence on the capacity	40°C	102%	<p>Tensione batteria (V)</p> <p>Tempo di scarica</p>	
	20°C	100%		
	0°C	85%		
Internal Resistance 10,2 mΩ±10%		SCC 530 A ±10%		
Constant Charging Voltage	Cyclic use	Initial Charging Current less than 7,2A Voltage 14.70~15.00V at 20°C Temperature Coefficient -30 mV/°C		
	Stand-by use	No limit on Initial Charging Current Voltage 13.60~13.80V at 20°C Temperature Coefficient -20 mV/°C		

Discharge Table at constant Current (Amp) and constant Power (Watt/cell) at 20°C

V _{final} /Time	5min	15min	30min	60min	90min	120min	180min	300min	480min	600min
9,9V	A	82,78	44,66	24,59	13,44	11,08	9,36	5,66	3,88	2,31
	W	120,70	70,41	49,78	31,80	23,21	18,55	13,85	8,99	5,02
10,2V	A	82,01	44,20	23,85	13,43	9,10	7,69	5,66	3,87	2,28
	W	111,96	69,64	46,34	31,10	22,71	18,14	12,91	8,86	4,96
10,8V	A	77,00	38,50	22,66	13,11	8,88	7,51	5,58	3,80	2,20
	W	102,72	64,13	42,91	28,80	21,02	16,80	12,22	8,52	4,80