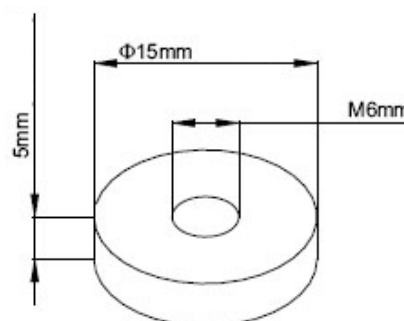
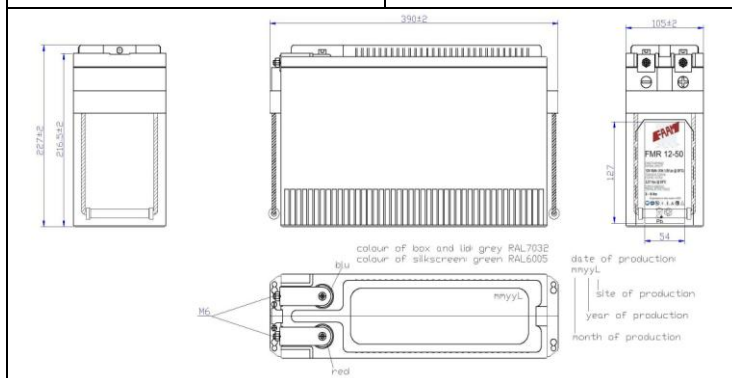
	<h1>FMR 12-50</h1>
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PHYSICAL SPECIFICATION

Nominal Voltage		12V
Nominal Capacity (10Hr)		50Ah
Dimension	Length	390 ±2mm
	Width	105 ±2mm
	Container Height	227 ±2mm
	Total Height	227 ±2mm
Drawing 400240-1		Weight 21,5 Kg ± 5%
Standard Terminal		Bolt Type: M6



ELECTRICAL SPECIFICATION

Characteristics			Discharge curves @ 25°C (77 °F)
Capacity	10 hour rate	50,00Ah	
	8 hour rate	49,12Ah	
	5 hour rate	45,25Ah	
	3 hour rate	40,95Ah	
	1 hour rate	31,05Ah	
Capacity affected by temperature	40°C	102%	
	20°C	100%	
	0°C	85%	
Internal Resistance 6 mΩ ±10%		SCC 1200 A ±10%	
Constant Voltage Charge	Cycle	Initial Charging Current less than 15 A Voltage 14,40~15,00V at 20°C Temperature Coefficient -30 mV/°C	
	Stand by	No limit on Initial Charging Current Voltage 13,50~13,80V at 20°C Temperature Coefficient -20 mV/°C	

Constant Current(Amp) and Constant Power (Watt/Cell) Discharge Table at 20°C

Time		5min	15min	30min	60min	90min	120min	180min	300min	480min	600min
9,9V	A	153,75	86,02	52,60	30,93	21,24	17,78	13,83	9,52	6,32	5,17
	W	267,97	151,95	95,09	58,05	40,48	33,59	26,14	18,34	12,13	10,21
10,2V	A	143,75	82,80	51,48	30,66	21,06	17,68	13,65	9,41	6,29	5,10
	W	260,11	149,05	94,91	57,80	40,31	33,29	26,09	18,10	12,01	9,85
10,8V	A	125,00	74,80	48,70	29,40	20,19	17,00	13,40	9,05	6,09	5,00
	W	227,09	140,05	92,32	56,80	39,61	33,15	25,80	17,60	11,91	9,78