



**FIRST  
NATIONAL  
BATTERY**

INDUSTRIAL (PTY) LTD

THROUGH CARING WE LEAD

# **EXCIS™**

***Maintenance Free  
Factory Sealed - Never Add  
Water***



## Product and Service Benefits

- Countrywide network of branches and agencies.
- A comprehensive product warranty.

### Salient Design Features

- **LONG FLOAT LIFE:** Calcium alloy grids and plates to minimise corrosion.  
Envelope separators to eliminate internal short circuits.
- **HIGH CYCLING DESIGN:** High density active material formulation.  
Glass matt backed separators for active material retention.
- **EXCEPTIONAL HIGH RATE PERFORMANCE:** Oversized internal inter-cell connector cross section.
- **ENHANCED SAFETY:** Central venting system.  
Flashback arrestor.  
High impact strength container.
- **EASY TO MAINTAIN:** Built in State of Charge Indicator.

### Technical Details

#### Constant Power Discharge Data Down to 10.2v (1.7) at 25° C (Watts per cell)

Type	10 Min	15 Min	20 Min	25 Min	30 Min	45 Min	60 Min
FMF 035	132	103	82	70	62	49	39
FMF 045	156	127	104	90	81	64	53
FMF 065	237	193	155	131	116	92	75
* FMF 100/1	341	264	213	187	166	141	113
* FMF 230	784.3	607.2	489.9	430	381.8	324.30	259.9

#### Constant Current Discharge Data Down to 10.2v (1.7) at 25° C (Amps)

Type	1 Hour	2 Hour	3 Hour	4 Hour	5 Hour	8 Hour	10 Hour
FMF 035	20.3	11.3	8.25	6.58	5.58	3.8	3.31
FMF 045	26.9	15.1	11.1	8.78	7.38	5.04	4.51
FMF 065	40.9	22.8	16.7	13.3	11.3	7.78	6.61
* FMF 100/1	58.9	35	25.1	20.7	16.3	12	9.18
* FMF 230	135.5	80.5	57.7	47.6	37.5	27.6	22.52

#### Range Table

Type	Capacity at 20 Hr	Mass	Dimensions				Terminal
			Length	Width	Height	Height Incl. Terminal	
FMF 035	35	9.8	187	127	200	220	Taper
FMF 045	45	12.1	234	127	200	220	Taper
FMF 065	65	17.8	257	172	200	220	Taper
* FMF 101	102	26.5	328	171	219	239	Taper
* FMF 100	102	26.5	328	171	219	239	Stud
* FMF 230	230	60.5	517	276	217	240	Taper

20 January 2011



\* FMF 100/101/230 manufactured in South Africa.  
FMF 230 does not have a magic eye

For more information contact  
FIRST NATIONAL BATTERY  
INDUSTRIAL  
CALL TOLL FREE  
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