6-FM/NP7



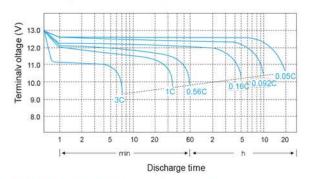
Specifications

Nominal Volta	age	12V				
Rated Capaci	y (20 hour rate)	7.0Ah				
	Total Height (with terminals)	3.94 inches(100mm)				
Dimensions	Height	3.70 inches(94mm)				
	length	5.94 inches(151mm)				
	width	2.56 inches(65mm)				
Weight		Approx.4.84 Pound(2.20kg)				

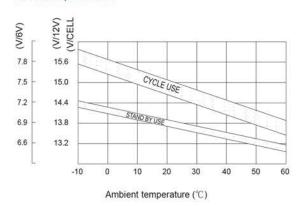
Characteristics

		20 hour	7.0 Ah			
		10 hour	6.5 Ah			
Capacity		5 hour	5.6 Ah			
77°F(25°C)		1hour r	ate (4.20 A)	4.2 Ah		
		15Minute	15Minute Rate (12.3 A)			
Internal Resistance			Full charged Battery 77°F(25°C)			
		104	102%			
Capacity affected by		77°F(25°C)	100%	32		
Temperature (20hour	rate)	°F(0°C)	85%			
		5°F	65%			
Calf Disabarga		Capacity after	91%			
Self-Discharge 77°F(25°C)		Capacity after	81%			
111(200)		Capacity after	60%			
Max. Discharge Curre 77°F(25°C)	nt	105A(5S)				
Terminal		F1\F2				
Charge	Cycle	Initial Charging Current less than 2.1				
Charge (Constant Voltage)	Cycle	Voltage 14.4~14.7 V / 77°F(25°C)				
(STITUTE TOTAL GO)	Float	Voltage 13.5~13.8V / 77°F(25°C)				

■ Discharge Curves 77°F(25°C)



Relationship between charge voltage and temperature



■ Constant Current Discharge (AMPERES @25°C)

F.V/Time	5Min	10Min	15Min	30Min	60Min	2H	3H	4H	5H	10H	20H
9.6	26.7	16.9	13.6	7.56	4.62	2.61	1.80	1.44	1.22	0.67	0.35
9.9	26.0	16.5	13.1	7.35	4.50	2.52	1.78	1.43	1.21	0.66	0.35
10.2	24.9	15.8	12.7	7.21	4.38	2.49	1.76	1.41	1.20	0.65	0.35
10.5	23.8	15.1	12.2	7.14	4.27	2.45	1.75	1.40	1.19	0.65	0.35
10.82	22.4	15.0	11.6	6.93	4.13	2.38	1.72	1.37	1.18	0.64	0.34

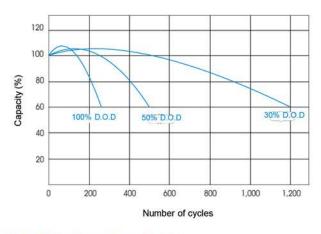
■ Constant Power Discharge (WATTS PER CELL@25°C)

F.V/Time	5Min	10Min	15Min	30Min	60Min	2H	3H	4H	5H	10H	20H
9.6	297	190	154	86.2	53.3	30.5	21.4	17.2	14.5	7.95	4.26
9.9	290	185	149	84.2	52.0	29.5	21.2	17.0	14.5	7.89	4.24
10.2	277	177	144	82.6	50.6	29.1	21.0	16.9	14.4	7.83	4.23
10.5	266	171	139	81.9	49.5	28.8	20.9	16.7	14.2	7.83	4.21
10.82	250	169	132	79.6	47.9	28.0	20.6	16.3	14.1	7.66	4.14

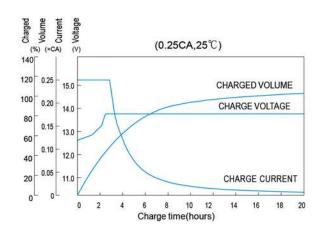
6-FM/NP7

The operating environment temperature above 40° C should be avoided ,After long term storage, The battery actual capacity would be less than the rated capacity. Full capacity will be obtained through several charge/discharge cycles. To get the longest life, Deutsche Power battery should be fully charged before stroge

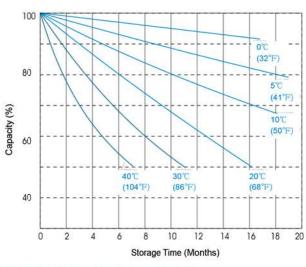
Cycle service life in relation to depth of discharge



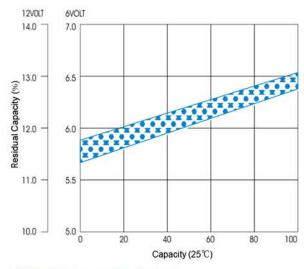
Constant voltage charge characteristic



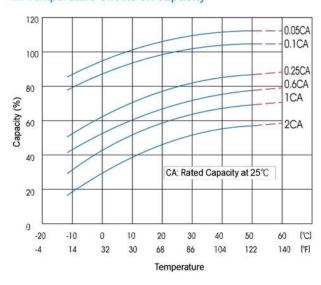
■ Self-Discharge Characteristics



■ Relationship of OCV and Residual Capacity % (25°C)



■ Temperature effects on capacity



■ Temperature effects float life

