

FM12V7Ah/20HR



Part Number:	FM12-7Ah
Length:	151 ± 2 mm (5.94 inches)
Width:	65 ± 2 mm (2.56 inches)
Container Height:	93.5 ± 2 mm (3.68 inches)
Total Height (with terminal):	99 ± 2 mm (3.90 inches)
Approx Weight:	Approx 2.00kg

	Normal Voltage	12V
	Normal Capacity (20HR)	7AH
Terminal Type	Standard Terminal	F1
	Optional Terminal	F2
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	UL94:VO
Rated Capacity	7.00 AH/0.350A	(20hr, 1.80V/cell, 25°C / 77°F)
	6.51 AH/0.653A	(10hr, 1.80V/cell, 25°C / 77°F)
	6.00 AH/1.20A	(5hr, 1.75V/cell, 25°C / 77°F)
	5.37 AH/1.79A	(3hr, 1.75V/cell, 25°C / 77°F)
	4.55 AH/4.55A	(1hr, 1.60V/cell, 25°C / 77°F)
Max Discharge Current	105A (5s)	
Internal Resistance	Approx 23mΩ	
Discharge Characteristics	Operating Temp. Range	Discharge: -15 ~ 50°C (5 ~ 122°F)
		Charge: 0 ~ 40°C (5 ~ 104°F)
		Storage: -15 ~ 40°C (5 ~ 104°F)
	Nominal Operating Temp. Range	25 ± 3°C (77 ± 5°F)
	Cycle Use	Initial Charging Current less than 2.1A. Voltage 14.4V ~ 15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C
	Standby Use	No limit on Initial Charging Current Voltage 13.5V ~ 13.8V at 25°C (77°F) Temp. Coefficient -20mV/°C
Capacity affected by Temperature	40°C (104°F) 103%	
	25°C (77°F) 100%	
	0°C (32°F) 86%	
Design Floating Life at 20°C	5 Years	
Self Discharge	Ultracell batteries may be stored for up to 6 months at 25°C(°77F) and then a refresh charge is required. For higher temperatures the time interval will be shorter.	

F1 Terminal

