PRESS Communications

12Volt 2.3AH

Battery Construction

Component	Positive Plate	Negative Plate	Container	Cover	Safety Valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS UL94HB/V0	ABS UL94HB/V0	Rubber	Copper	Fiberglass	Sulfuric acid

Constant Current Discharge Rating Amperes @25°C (77°F)

Time	10min	15min	30min	1hr	3hr	5hr	10hr	20hr
Final Discharge Voltage A/cell	4.97	4.05	2.36	1.38	0.60	0.39	0.21	0.12

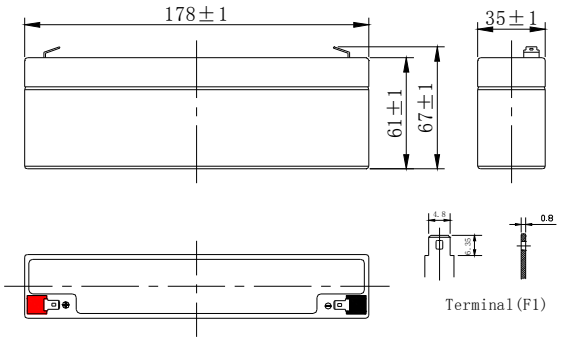
Characteristics

Rated Capacity 25°C (77°F)	C_{20} 1.75V/C		2.30 AH
	C_{10} 1.75V/C		2.14 AH
	C_5 1.70V/C		1.96 AH
	C_1 1.60V/C		1.38 AH
Internal Resistance	Full charged battery 25°C (77°F)		65.0 mΩ
Capacity affected by temperature (20 hour rate)	40°C (104°F)		107%
	25°C (77°F)		100%
	0°C (32°F)		76%
	-10°C (14°F)		66%
Self Discharge	Batteries can be stored for more than 6 months at 25°C. Self-discharge ratio less than 3% per month at 25°C. Please charge batteries before using.		
Standard Terminal			F1
Max. Discharge Current 25°C (77°F)			23 A(5s)
Final Discharge Voltage V/cell	1.75V	1.70V	1.60V
Discharge Current (A)	(A) ≤0.15C	0.15C< (A) < 0.5C	(A) ≥0.5C
Charging (Constant Voltage) Cycle	Initial Charging Current 0.6 A Or Small		
Charging (Constant Voltage) Cycle	14.5V~14.9V/ 25°C (77°F)		
Charging (Constant Voltage) Float	13.6V~13.8V/ 25°C (77°F)		

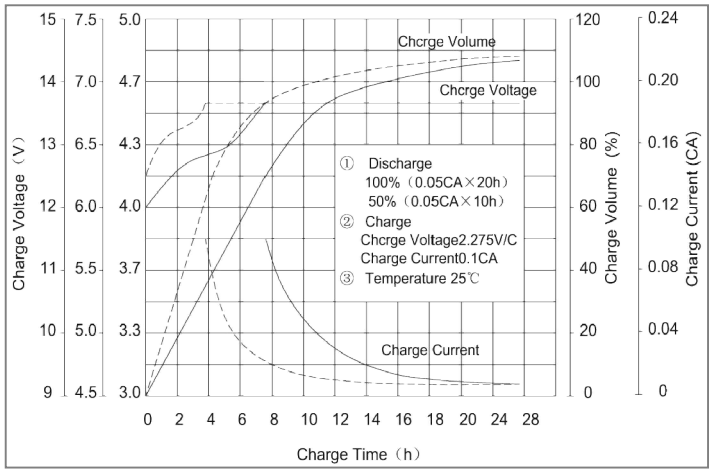
Specifications

Nominal Voltage		12 V	
NominalCapacity (20hr)		2.3 AH	
Dimension	Length	178 mm	7.01 in
	Width	35 mm	1.38 in
	Height	61 mm	2.40 in
	Total Height (with terminals)	67 mm	2.64 in
Weight	Approx.	0.93 kg	2.07 lbs

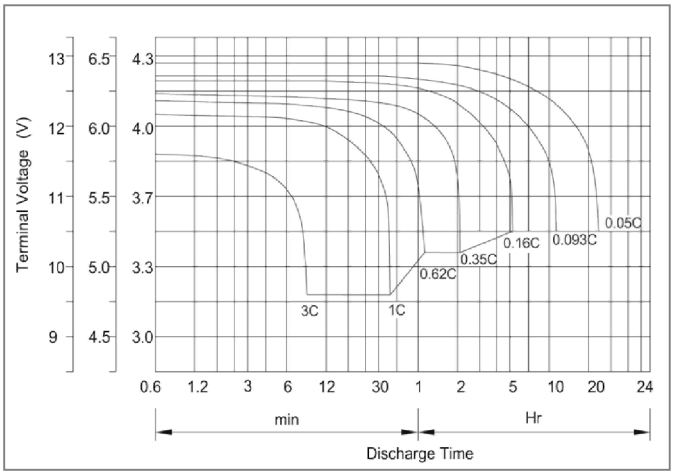
Physical Dimensions: mm



Charge characteristic curve for standby use



Discharge characteristics 25°C (77°F)



All data shall be changed without prior notice. We reserves the right to explain and update the information contained hereinto.