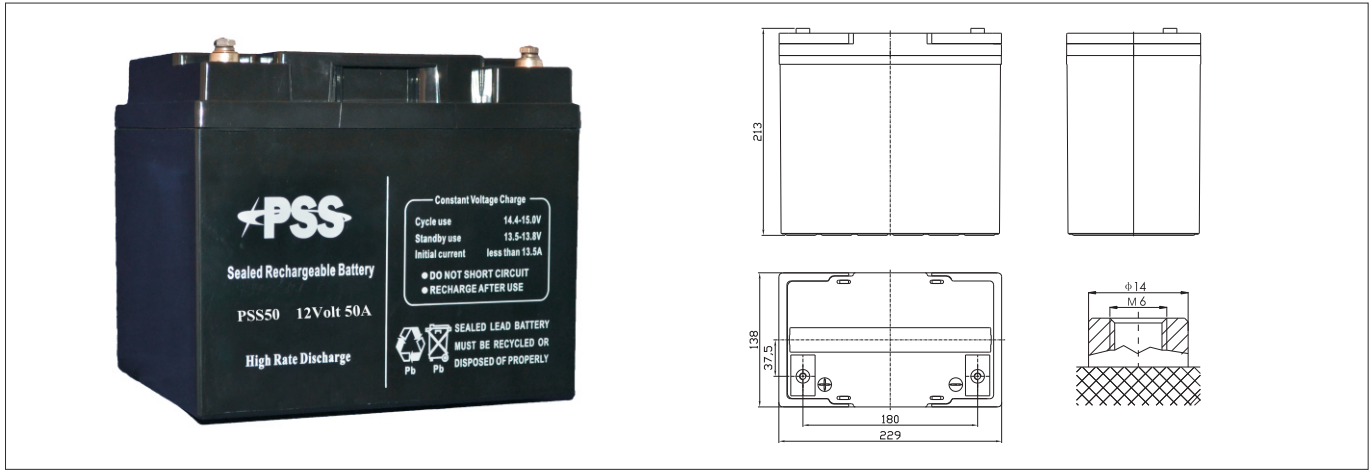


# PSS50



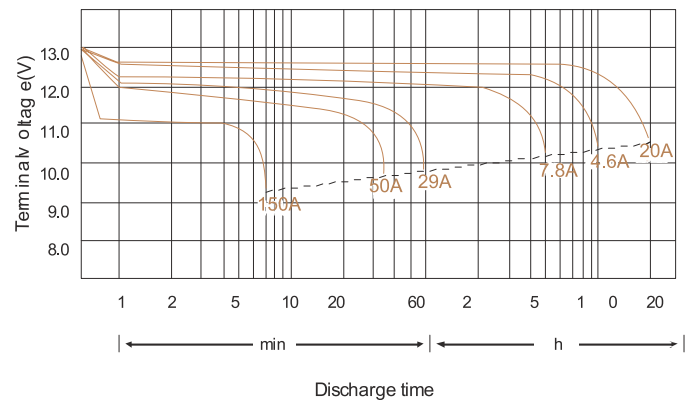
## SPECIFICATIONS

Nominal Voltage		12V
Rated Capacity(20 hour rate)		50Ah
Dimensions	Total Height (with terminals)	8.39inches (213mm)
	Height	8.19inches (208mm)
	Length	9.02inches (229mm)
	Width	5.43inches (138mm)
Weight		Approx. 35.64pound(16.2kg)

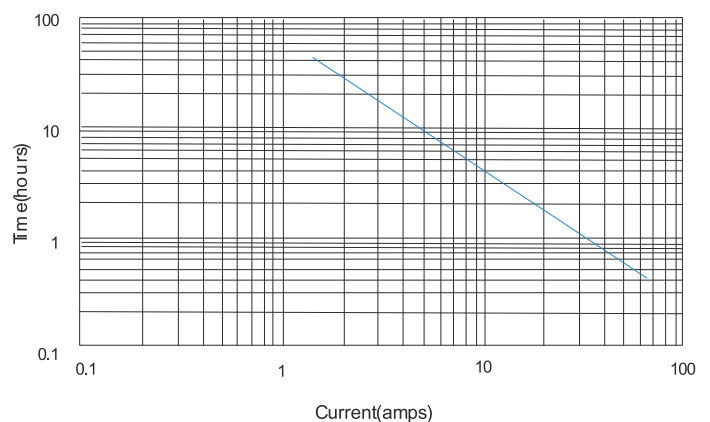
## CHARACTERISTICS

Capacity 77°F(25°C)	20 hour rate (2.5A)	50Ah
	10 hour rate (4.6A)	46Ah
	5 hour rate (8.0A)	40Ah
	1 hour rate (30A)	30Ah
	15 minute Rate (87.2A)	21.8Ah
Internal Resistance	Full charged Battery 77°F(25°C)	8.3mΩ
Capacity affected by Temperature (20 hour rate)	104°F(40°C)	102%
	77°F(25°C)	100%
	32°F(0°C)	85%
	5°F(-15°C)	65%
Self-Discharge 77°F(20°C)	Capacity after 3 month storage	91%
	Capacity after 6 month storage	81%
	Capacity after 12 month storage	60%
Max. Discharge Current 77°F(25°C)	500A(5S)	
Terminal	M1	
Charge (Constant Voltage)	Cycle	Initial Charging Current less than 15A Voltage 14.4~14.7V/77°F(25°C)
	Float	Voltage 13.5~13.8V/77°F(25°C)

## DISCHARGE CURVES 77 °F (25 °C)



## DISCHARGE CURRENT VS. TIME 77 °F(25 °C)



The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values.

## CONSTANT WATTAGE DISCHARGE (WATTS PER CELL@25°C)

Out of voltage v/cel	1M	5M	10M	15M	30M	45M	1h	2h	3h	5h	8h	10h	12h	24h
1.60V	318	297	223	173	103	79.8	64.5	38.4	27.2	17.6	10.9	9.1	7.92	4.15
1.65V	310	281	210	165	101	78.6	63.0	37.6	26.6	17.3	10.9	9.1	7.92	4.15
1.67V	307	273	204	160	101	77.9	62.2	37.2	26.4	17.1	10.9	9.1	7.92	4.15
1.70V	302	264	199	157	100	77.0	61.5	36.9	26.1	17.0	10.9	9.1	7.92	4.15
1.75V	276	244	187	151	98	75.3	60.2	35.8	25.5	16.8	10.8	9.0	7.85	4.15
1.80V	248	232	174	144	97	73.3	58.6	34.8	24.9	16.6	10.7	8.9	7.61	4.07
1.85V	201	179	144	121	78	66.9	56.4	33.7	24.2	15.5	10.6	8.4	7.29	3.84

