SVC

12V 12Ah

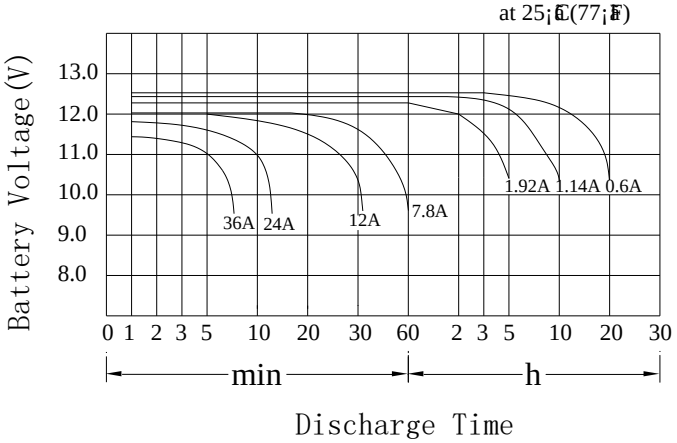
Characteristics

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		12Ah
Capacity 25℃(77°F)	20 hour rate (0.6A)	12Ah
	10 hour rate (1.14A)	11.4Ah
	5 hour rate (1.92A)	9.6 Ah
	1 hour rate (7.8A)	7.8Ah
Internal Resistance	Full Charged Battery 25℃(77°F)	≤22mΩ
Cyclic Life	50%(C_{20}) Depth of discharge	600Times
Float Life	25℃(77°F) Float charge at 13.8V	About 3 Years
Capacity affected by Temperature (20 hour)	40℃ (104°F)	102%
	25℃ (77°F)	100%
	0℃ (32°F)	85%
	-15℃ (5°F)	65%
Self-Discharge 25℃(77°F)	Capacity after 3 month storage	90%
	Capacity after 6 month storage	80%
	Capacity after 12 month storage	62%
Charge (Constant Voltage) 25℃ (77°F)	Cycle	Initial Charging Current Less than 3.6A Voltage 14.6-15.0V
	Float	Voltage 13.5-13.8V

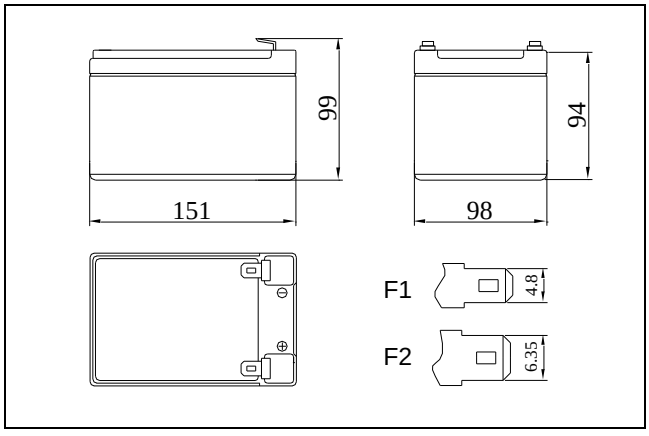
Parking

Battery (L×W×H)	mm±1	151×98×99
	inch	5.94×3.86×3.90
Box (L×W×H)	mm±2	320×220×122
	inch	12.6×8.67×4.81
Quantity Per Box		4 PCS
Net weight Per Cell		3.45Kg±50g
Net weight Per Box		13.8Kg
Gross Weight		14.1Kg

Discharge Curve



Product Dimensions



Battery Construction

Component	Positive plate	Negative plate	Container	Safety valve	Terminal	Separator	Electrolyte
Raw Material	Lead dioxide	Lead	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

Discharge Characteristics

Voltage	Run Time (Constant Current and Power 25℃ 77° F)											
	3 min	5 min	15 min	30 min	45 min	1h	2h	3h	5h	8h	10h	20h
9.6 V	518	458	265	161	112	89.9	48.4	35.2	23.9	15.7	13.1	7.13
10.2V	467	419	239	148	109	88.4	47.6	34.8	23.6	15.7	13.1	7.13
10.5V	389	367	226	139	108	87.1	47.0	34.3	23.6	15.5	13.0	6.98
10.8V	362	328	212	120	107	85.7	45.6	33.4	23.4	15.5	12.7	6.84