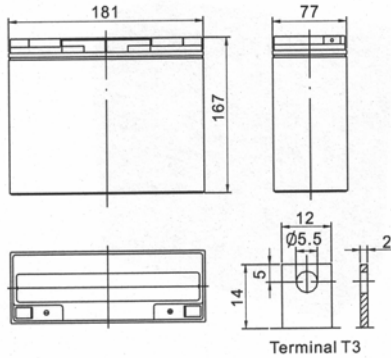




Standard Series IP12180

◆ Dimensions

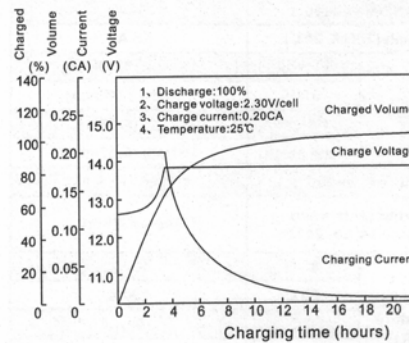


◆ Specifications

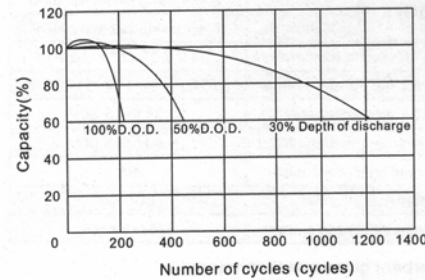
Nominal voltage	12 V	
Capacity(20HR, 25°C)	18Ah	
Dimension	Length	181mm (7.13inch)
	Width	77mm (3.03inch)
	Height	167mm (6.57inch)
	Total height	167mm (6.57inch)
Approx. weight	5.70kg (12.6lbs)	
Internal resistance (Fully charged, 25°C)	Approx. 16mΩ	
Capacity affected by temperature (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining capacity: 91%
	6 month	Remaining capacity: 82%
	12 month	Remaining capacity: 65%
Nominal operating temperature	25°C ±3°C (77°F ±5°F)	
Operating temperature range	-15°C ~ 50°C (5°F ~ 122°F)	
Float charging voltage(25°C)	13.38 to 13.80V	
Cyclic charging voltage(25°C)	14.40 to 15.00V	
Maximum charging current	7.2A	
Terminal material	Copper	
Maximum discharge current	270A(5 sec.)	

- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ Flame retardant ABS container (UL94V-0/ 94V-2).

◆ Charging Characteristics(25°C)



◆ Cycle Life(25°C)



◆ Note: Floating life designed for 5 years at 20°C.

Constant Current Discharge Characteristics(A, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	70.0	45.0	36.0	20.0	12.0	4.47	3.05	1.73	0.91
10.2V	66.5	42.8	34.6	19.2	11.5	4.40	3.00	1.71	0.91
10.8V	62.5	40.2	32.8	18.2	10.9	4.31	2.94	1.70	0.90

Constant Power Discharge Characteristics(Watt, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	781	508	410	229	139	53.1	36.4	20.7	11.0
10.2V	742	482	394	220	133	52.3	35.8	20.5	10.9
10.8V	698	453	374	209	127	51.2	35.1	20.5	10.8