

JST12-18

Characteristics

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		18Ah
Capacity 25°C (77°F)	20 hour rate (0.9A)	18Ah
	10 hour rate (1.71A)	17.1Ah
	5 hour rate (2.88A)	14.4Ah
	1 hour rate (11.7A)	11.7Ah
Internal Resistance	Full Charged Battery 25°C (77°F)	≤28mΩ
Cyclic Life	50%(C ₂₀) Depth of discharge	600Times
Float Life	25°C (77°F) Float charge at 13.8V	About 3 Years
Capacity affected by Temperature (20 hour)	40°C (104°F)	102%
	25°C (77°F)	100%
	0°C (32°F)	85%
	-15°C (5°F)	65%
Self-Discharge 25°C (77°F)	Capacity after 3 month storage	90%
	Capacity after 6 month storage	80%
	Capacity after 12 month storage	62%
Charge (Constant Voltage) 25°C (77°F)	Cycle	Initial Charging Current Less than 4.8A Voltage 14.6-15.0V
	Float	Voltage 13.5-13.8V

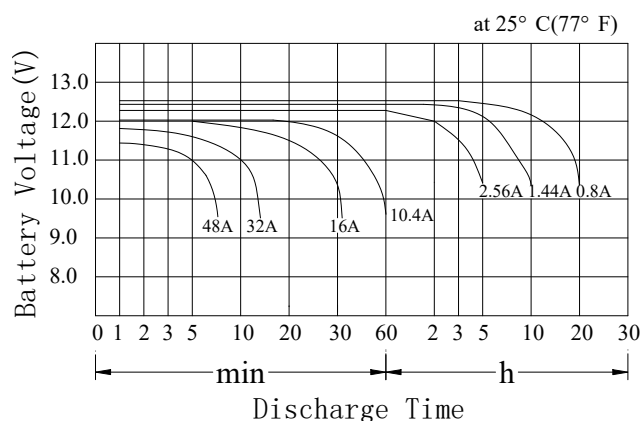
Product Image



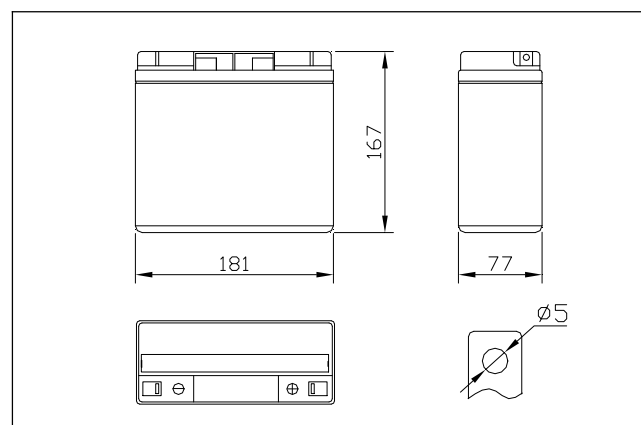
Packing

Battery (L×W×H)	mm	181×77×167
	inch	7.13×3.04×6.58
Box (L×W×H)	mm	336×193×190
	inch	13.3×7.60×7.48
Quantity Per Box		4 PCS
Net weight Per Cell		4.5Kg±50g
Net weight Per Box		18Kg
Gross Weight		18.5 Kg

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°C 77° F)											
	3 min	5 min	15 min	30 min	45 min	1h	2h	3h	5h	8h	10h	20h
9.6 V	648	573	332	201	140	112	60.5	44.0	29.9	19.7	17.38	9.68
10.2V	584	524	299	185	137	111	59.6	43.5	29.6	19.7	17.32	9.65
10.5V	486	459	282	174	135	109	58.8	42.9	29.6	19.4	17.28	9.60
10.8V	453	410	266	150	133	107	57.0	41.7	29.3	19.4	17.20	9.55

