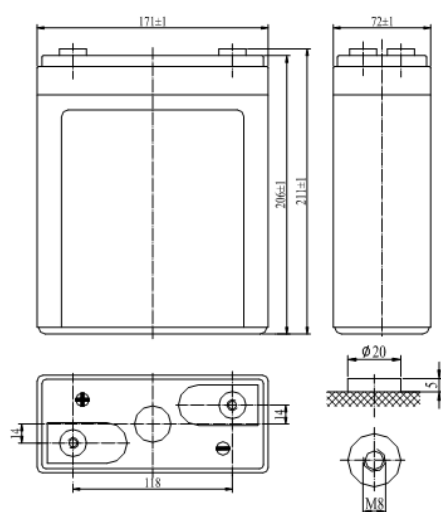


### SL21000

(2V100Ah/10hr)



The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one-way valves allow the gases to escape thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak

#### General Features

- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof .
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.
- Flexibility design for multiple install positions.

#### Application

- Alarm System
- Cable Television
- Power tools
- Emergency Power System
- Security System
- Medical Equipment
- UPS
- Communication Equipment
- Control Equipment
- Toys

#### CONSTRUCTION

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

#### TECHNOLOGY PARAMETER

Battery model	SL21000			
Designed Floating Life	15 Years			
Capacity (25℃)	10hR(10A, 1.8V)		5hR(18A, 1.75V)	
	100Ah		90Ah	
Dimensions	Length	Width	Height	Total Height
	171 ±1mm	72 ±1mm	206 ±1mm	211 ±1mm
Approx. weight (±5%)	5.6Kg			
Internal resistance	Full charged at 25℃: 0.9mOhms			
Self discharge	3% of capacity declined per month at 25℃ (average)			
Capacity Affected by Temp.(10HR)	40℃	25℃	0℃	-15℃
	102%	100%	85%	65%
Charge Voltage (25℃)	Cycle use		Float use	
	2.35-2.45V(-5mV/℃), max. Current: 20A		2.25-2.30V(-3.3mV/℃)	

### SL21000 (2V100Ah/10hr)

Constant current discharge ratings-amperes at 25°C

End Point Volts/Cell	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	147	98.0	65.0	37.1	27.8	22.6	19.5	12.9	10.7
1.65V	140	94.0	62.7	35.9	26.9	22.0	19.0	12.7	10.6
1.70V	133	89.3	60.1	34.3	25.7	21.2	18.5	12.5	10.5
1.75V	125	84.7	57.5	33.1	25.0	20.6	18.0	12.2	10.2
1.80V	118	80.0	54.8	31.6	23.9	19.8	17.3	11.8	10.0

Constant power discharge ratings-watts at 25°C

End Point Volts/Cell	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.60V	257	196	123	78.7	53.2	44.3	39.0	25.1	20.5
1.65V	243	186	117	76.0	51.9	43.4	38.3	24.8	20.2
1.70V	229	176	112	73.3	50.5	42.4	37.5	24.4	20.0
1.75V	215	166	107	70.7	49.0	41.3	36.7	23.8	19.5
1.80V	201	155	101	67.3	47.3	40.2	35.9	23.4	19.2

