

MinuteBank

VRLA AGM Battery

BT-HSE-65-12 [12V65Ah]



General Features

- Designed floating charging service life: 12 years (25°C)
- Sealed and maintenance free operation
- Safety valve installation for explosion proof
- Low self-discharge characteristic
- Wide operating temperature range from 0°C~40°C
- Lead Aluminum calcium Tin alloy high energy, prevent corrosion

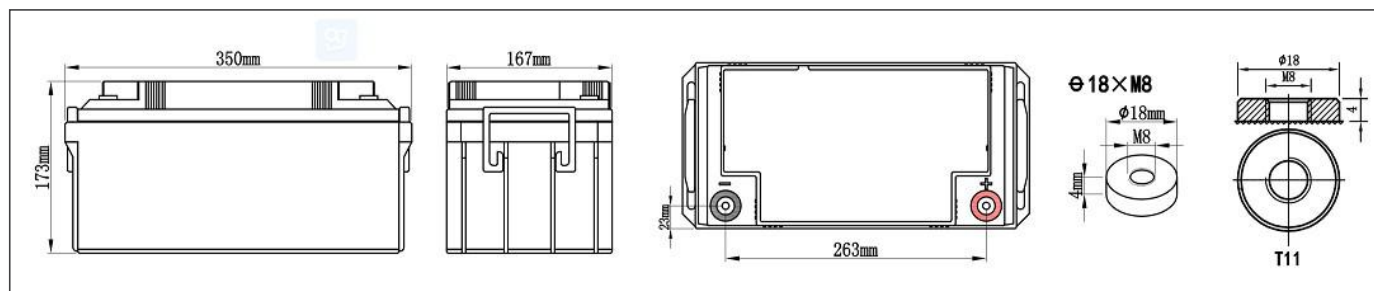
Application

- DC power supply
- UPS/EPS power supply
- Electrical devices & instruments
- Security and fire alarm systems
- Telecom stations and power stations
- Medical equipments
- Emergency lighting systems

Physical Specifications

Nominal Voltage	Nominal Capacity (10HR)	Dimension				Weight ±3%	Internal Resistance (In full charge status)	Standard Terminals
		L	W	H	TH			
12V	65AH	350±3mm	167±2mm	173±3mm	173±3mm	Approx 19.4kg (42.8bs)	≈5.5 mΩ	T11 (standard)

Dimensions



Battery Discharge Table

End Voltage (V)	Minute (M)						Hour (H)									
	5	10	15	20	30	45	1	1.5	2	3	4	5	6	8	10	20
Constant Current Discharge Data Sheet (Amperes at 25°C)																
10.20	205	156	118	100	62.3	57.9	40.6	32.1	26.87	16.83	14.69	11.69	10.60	8.32	6.95	3.55
10.50	182	143	110	96	59.8	55.3	39.0	30.8	25.89	16.29	14.36	11.17	10.09	7.87	6.70	3.52
10.80	169	130	103	93	57.8	52.7	37.4	29.6	24.88	15.72	14.09	10.68	9.62	7.48	6.58	3.48
Constant Power Discharge Data Sheet (Watt at 25°C)																
10.20	2035	1723	1251	1073	779	585	508	371	279	208	170	134	124	99.5	84.5	44.3
10.50	1957	1463	1123	1046	761	572	501	365	270	201	165	130	121	98.2	81.9	42.9
10.80	1820	1365	1072	1027	744	553	478	348	261	194	159	125	117	96.9	78.0	41.9

NOTE : The battery should be charged within 6 months of storage. Otherwise, permanent loss of capacity might occur as a result of sulfation

Constant-Voltage Charge

Rated Capacity	
20 hour rate (3.25A)	67.5AH
10 hour rate (6.50A)	65.0AH
5 hour rate (11.05A)	55.3AH
3 hour rate (16.25A)	49.0AH
1 hour rate (39.0A)	39.0AH

Capacity affected by Temperature	
40°C(104°F)	103%
25°C(77°F)	100%
0°C(32°F)	86%

Cycle Application
1. Limit initial current less than 16.25A.
2. Charge until battery voltage (under charge) reaches 14.1V to 14.4V at 25°C(77°F).
3. Hold at 14.1V to 14.4V until current drop to under 0.42A for at least 3 hours.
4. Temperature compensation coefficient of charging voltage is -30mV/°C.

Standby Service
1. Hold battery across constant voltage source of 13.6 to 13.8 volts with current limit 16.25A continuously .When held at this voltage , the battery will seek its own current level and maintain itself in a fully charge status.
2. Temperature compensation coefficient of charging voltage is -18mV/°C.

Performance Characteristics

