

Durable Battery Choose CSBattery

Best Partner For Traffic Lights

HTB series

High Temperature Deep Cycle GEL 12V Battery

HTB series uses the newly developed nano gel electrolyte, with super C additive and heavy-duty plate design inside, long service life, and can provide the best and reliable service under extreme conditions such as high temperature and frequent power outages. According to the technology and advantages it good apply to the control of traffic lights system.



10hour rate (1.8V) 90%C (Ah)

5 hour rate (1.8V) 80%C(Ah) 1 hour rate (1.75V) 58%C(Ah)



20 Years

100%C (Ah)

12V(6 Cells Per Unit)

The Complied Standards

| IEC60896-21/22 | BS6290part4 |
|----------------|-------------|
| JISC8704 | GB/T19638 |
| IEC61427 | CE/ISO |



| | Internal Resistance | Full Charged Battery@25℃ | ≤0.02*C(mΩ) | |
|---|---|-----------------------------|--|--|
| | | Discharge | -25°C~60°C | |
| | Ambient Temperature | Charge | -25°C~60°C | |
| | | Storage | -25°C~45°C | |
| | Max.Discharge Current@25°C | | 6C (5s) | |
| | | 40°C | 108% | |
| | Capacity affected by Temperature (10 hour) | 25°C | 100% | |
| General features | | 0°C | 90% | |
| Able to operate at -40~60°C | | -15°C | 70% | |
| DOD 50% 1500 times Cycles | Self-Discharge@25°Cper Month | | 3% | |
| Integrated design to ensure the best uniformity and reliability | | | Initial Charging Current Less than C*0.25A Voltage 2.25-2.3V | |
| Long life and high stability under hightemp. | Charge (Constant Voltage) @25°C | ١ | | |
| environment (no cooling needed) Use super-C additives: Deep discharge recovery capability | | Cycle Use L | nitial Charging Current ess than C*0.25A /oltage 2.37-2.4V | |

Technical Specifications

Nominal Capacity @25°C(20 hour rate@1.8V)

Design Floating Life @25°C

Nominal Voltage

Capacity @25°C

W Battery Construction

| Component | Positive plate | Negative plate | Container & Cover | Safety valve |
|-----------|---|---|--|--------------------------------------|
| Features | Thick high Sn low Ca grid with Special paste | Balanced Pb-Ca grid for improved recombinati on efficiency | Fire resistanc e ABS (UL94-V0octional) | Flame Si-Rubber and aging resistance |
| Component | Terminal | Separator | Electrolyte | Pillar seal |
| Features | Female Copper Insert | Advanced PVC /GEL separator for high pressure cell desbm | German Evonik Silicon GEL | Two layers epoxy resin sea |

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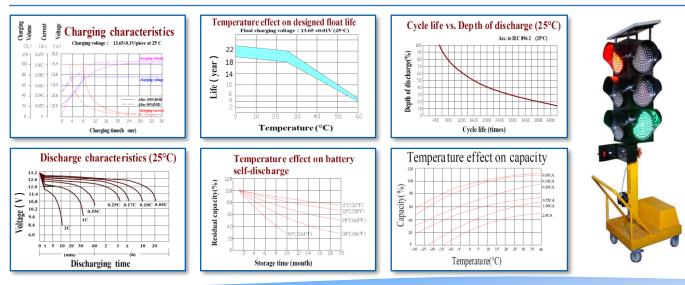
HTB series

$\overline{\Psi}$ Popular item for Traffic Lights

| Model | Nominal Capacity | Dimension (mm) | | | Net Weight | Gross Weight | | |
|-----------|------------------|----------------|--------|-------|---------------|-----------------|------|------|
| | Voltage (V) | (Ah) | Length | Width | Height | Total Height | kgs | kgs |
| HTB12-14 | 12 | 14 | 152 | 99 | 96 | 102 | 3.8 | 3.39 |
| HTB12-20 | 12 | 20 | 181 | 77 | 167 | 167 | 6 | 6.1 |
| HTB12-24 | 12 | 24 | 166 | 175 | 126 | 126 | 8.3 | 8.4 |
| HTB12-35 | 12 | 35 | 196 | 130 | 155 | 167 | 10.5 | 10.7 |
| HTB12-55 | 12 | 55 | 229 | 138 | 208 | 212 | 16 | 16.5 |
| HTB12-75 | 12 | 75 | 260 | 169 | 208 | 227 | 25 | 25.5 |
| HTB12-100 | 12 | 100 | 307 | 169 | 211 | 216 | 30.2 | 30.7 |
| HTB12-135 | 12 | 135 | 344 | 172 | 280 | 285 | 40.8 | 41.3 |
| HTB12-150 | 12 | 150 | 484 | 171 | 241 | 241 | 45.5 | 46 |



Terformance Characteristics



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