

NEWEST HTL SERIES HIGH / COLD TEMPERATURE LONG LIFE DEEP CYCLE GEL BATTERY

Voltage: 12V, 6V

Capacity: upto 12V300Ah , 6V420Ah

Designed floating service life: 15~20 years @ 25 °C.



SUMMARY

NEWEST IN 2016, CSPower HIGH TEMPERATURE LONG LIFE GEL BATTERY, BEST CHOICE TO WORK IN HOT/COLD TEMPERATURE SITES AND LONG LIFE OVER 15YEARS.

Considering the challenge that when normal battery work in hot or cold environment the battery will be derate, we developed a new range type of battery adapted for these environments.

We are proud to introduce our High/COLD Temperature Long Life Deep Cycle GEL Battery - HTL series.

Using thick plate design with special additives (super-C). This newly developed battery can work even high temperature up to 60°C or down to -20°C without the use of any air-conditioner.

FEATURES AND BENEFITS

HTL series is specially High-temperature sealed free maintenance deep cycle GEL battery with 15-20 years design life in float service, 30% more than standard Gel battery, and 50% more than Lead Acid AGM battery.

It meets with IEC, CE and ISO standards. With up-dated patented technology and high purity raw GEL materials, the HTL series battery maintains high consistency for better performance and reliable standby service life. It is designed specially for using under high and cold temperature sites.

- 1) Three years warranty at 35°C-40°C average
- 2) Able to operate at -20°C to 60°C
- 3) Longer life and higher stability under high temp. environment (no air-con needed)
- 4) Use super-C additives lead plates: Deep discharge recovery capability
- 5) Cycle usage: 50% DOD, 1500 Cycles work in high/cold temp. area.

CHARGING VOLTAGE

Constant voltage charging is recommended
Recommended float charge voltage: 2.27V/cell @20~25°C

Float voltage temperature compensation: -3mV/°C/cell

Float voltage range: 2.27 to 2.30 V/cell @ 20~25°C

Cyclic application charge voltage : 2.40 to 2.47 V/cell @ 20~25°C

Max. charge current allowable : 0.25C

CONSTRUCTIC

1. HTL series adopts super corrosion-resistant alloy and unique patented grid structure, so can improve the lead plates corrosion-resistant performance in high temperature.

2. It adopts special positive negative lead plates ratio and unique nano gel electrolyte, so can improve battery overpotential of hydrogen evolution effectively and high reduce the water loss in high temperature environment.

3. Its paste formula is added anti-high temperature expanding agent, so can work continuously in high temperature environment.

4. HTL's shell adopts anti-high temperature ABS material, so the battery inside will not be over heat lead to water loss because of high temperature environment, ensure the battery super long life and the shell will not swell even use in extreme high temperature area.

5. HTL series adopts patented gel electrolyte by nano-meter fumed silica, which advantage is high heat capacity and excellent heat release performance, can avoid the thermal runaway problem of normal battery, and discharge capacity can increase by over 30% in low temperature area. So HTL battery can work very well in severe environment between -40°C-65°C.

6. Its formula is added special super expanding agent which ensure battery discharge capacity is higher than other normal battery when work in low temperature, thus even HTL battery work in -40°C area, it can work stable and continuously.

APPLICATIONS

- Electric Powered Vehicles
- Wheel Chairs
- BTS Stations
- Medical Equipments
- Solar and Wind
- Golf Cars and Buggies
- Power Tools
- Control System
- UPS systems
- Emergency systems

COMPLIED STANDARDS

- UL
- IEC 61427
- BS6290 part 4
- GB/T 22473
- ISO9001/14001/18001
- CE
- IEC 60896-21/22
- Eurobat guide, long life
- IATA and IMDG

CSPower MODEL	Voltage (V)	Capacity (Ah)	Battery Dimension(mm)				Weight(kg) (±3%)
			Length	Width	Height	Total Height	
HTL12 - 14	12	14	152	99	96	102	4.1
HTL12 - 20	12	20	181	77	167	167	6.3
HTL12 - 24	12	25	166	175	126	126	8.6
HTL12 - 26	12	25	165	126	174	179	8.7
HTL12 - 35	12	35	196	130	155	167	10.8
HTL12 - 40	12	40	198	166	174	174	14.5
HTL12 - 55	12	55	229	138	208	212	16.3
HTL12 - 70	12	70	350	167	178	178	23.6
HTL12 - 75	12	75	260	169	208	227	25.3
HTL12 - 85	12	85	260	169	208	227	26.4
HTL12 - 90	12	90	307	169	211	216	28.5
HTL12 -100	12	100	307	169	211	216	30.5
HTL12 -110	12	110	331	174	214	220	33.6
HTL12 -120	12	120	407	173	210	233	39.5
HTL12 -135	12	135	344	172	280	285	41.1
HTL12 -150	12	150	484	171	241	241	45.8
HTL12 -180	12	180	532	206	216	222	56.3
HTL12 -200	12	200	532	206	216	222	58.7
HTL12 -230	12	230	522	240	219	225	65.3
HTL12 -250	12	250	520	268	203	207	71.3
HTL12 -300	12	300	520	268	220	226	77.3
HTL6 - 200	6	200	306	168	220	222	30.3
HTL6 - 210	6	210	260	180	247	249	29.8
HTL6 - 220	6	220	306	168	220	222	31.8
HTL6 - 225	6	225	243	187	275	275	30.8
HTL6 - 310	6	310	295	178	346	366	46.3
HTL6 - 330	6	330	295	178	354	360	46.9
HTL6 - 380	6	380	295	178	404	410	55.6
HTL6 - 420	6	420	295	178	404	410	57.1

