

THS SERIES BATTERY

THS batteries uses bipolar technology. It is specially designed for heavy truck and construction vehicles with very high cranking amperes even at extreme low temperature. The cranking amperes much higher compared with ordinary batteries. It has 1.5X+ cranking amperes, 3X cycle life and more reserved capacity.

1400A
@-18°C

1000A
@-29°C

720A
@-40°C

1400 Cycles
@50%DoD

75% Capacity
@-18°C

42% Capacity
@-40°C



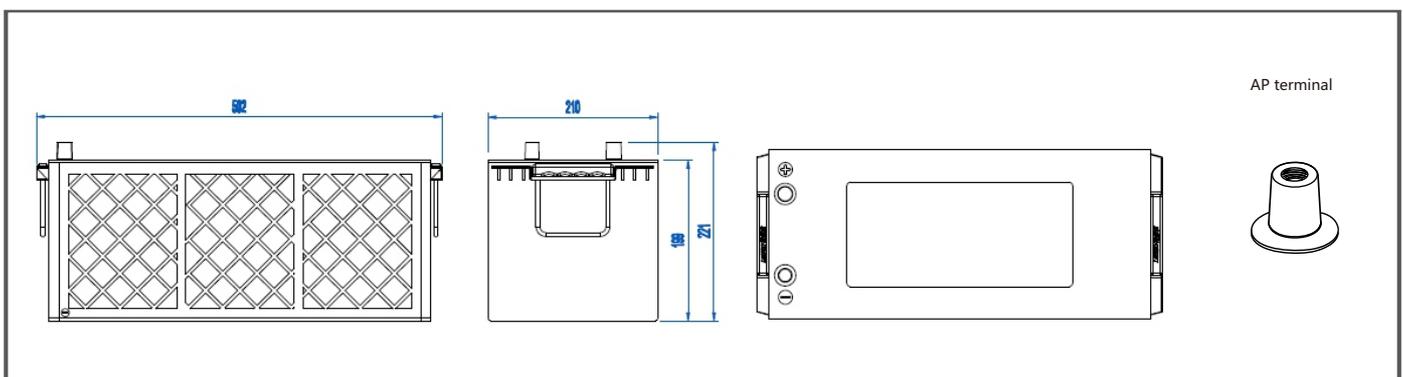
TECHNICAL SPECIFICATIONS

Nominal Voltage(V)	12 (6 cells)	
Nominal Capacity@C ₂₀ (25 °C)	180Ah (10.8V cut off)	
Cycle Life (25 °C)	1400 times (50%DoD)	
Dimensions	L502mm x W210mm x H199mm(221)	
CCA, RC	CCA	RC
	1400A	390min
Weight	51.0 Kg	
Terminal	AP terminal	
Internal Resistance	Approx. 1.30mΩ (fully charged @ 25 C)	
Operation Temperature	Discharge: -40~60°C	
	Charge: -25~60°C	
	Storage: -25~40°C	
Self Discharge	Around 3% /month @ 25°C	
Float Charge Voltage (20~25 °C)	13.5~13.7V	
Cyclic Charge Voltage (20~25°C)	14.1~14.3V	
Container Material	ABS, UL94-V0 is optional	

Standards

- EN 50342
- GBT5008.1-2013
- UL1989

BATTERY DIMENSIONS



DISCHARGE TABLE

Constant current performance: :Amps (@25°C)

Discharge Current(A)	9.0	17.1	25	50.0	70	123	224	540	900
Discharge Time(min)	1200	600	390	180	120	60	30	10	5
Capacity(Ah)	180	171	163	150	140	123	112	90	75
Cut -off Voltage(V)	10.8	10.8	10.5	10.5	10.5	10.2	10.2	9.6	9.6

Quasi Bipolar
Technology

Maintenance
Free
No topping

Sealed
Construction
Leakage proof

30%+
Fast charge

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1500A
@-18°C

1100A
@-29°C

780A
@-40°C

1400 Cycles
@50%DoD

75% Capacity
@-18°C

42% Capacity
@-40°C

TECHNICAL SPECIFICATIONS

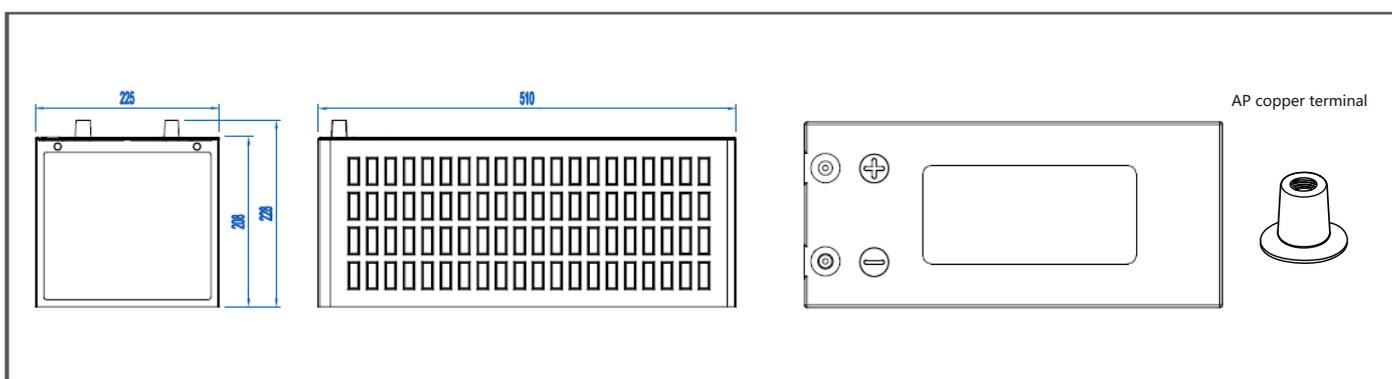
Nominal Voltage(V)	12 (6 cells)	
Nominal Capacity@C ₂₀ (25 °C)	200Ah to 10.8V cut off	
Cycle Life (25 °C)	1400 times (50%DoD)	
Dimensions	L510mm x W225mm x H208mm(228)	
CCA, RC	CCA	RC
	1500A	480min
Weight	60.5 Kg	
Terminal	Female M8(12-13N.m) & AP terminal	
Internal Resistance	Approx. 1.20mΩ (fully charged @ 25°C)	
Operation Temperature	Discharge: -50~60°C	
	Charge: -40~60°C	
	Storage: -25~40°C	
Self Discharge	Around 3% /month @ 25°C	
Float Charge Voltage (20~25 °C)	13.5~13.7V	
Cyclic Charge Voltage (20~25°C)	14.1~14.3V	
Container Material	ABS, UL94-V0 is optional	



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BATTERY DIMENSIONS



DISCHARGE TABLE

Constant current performance: :Amps (@25°C)

Discharge current(A)	11	21	25	60	83	150	260	600	1080
Discharge time(min)	1200	600	480	180	120	60	30	10	5
Capacity(Ah)	220	210	200	180	166	150	130	100	90
Cut-off Voltage(V)	10.8	10.8	10.5	10.5	10.5	10.2	10.2	9.6	9.6

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