

Features & Benefits

Professional Series EV Traction Dry Cell Batteries, Designed and Engineered for Dependability in Commercial, Industrial, Public and Private applications; Mobility and Home Medical Equipment (HME), Broadband and Cable TV (CATV), Uninterruptible Power Supplies (UPS) and Telecommunication, Photovoltaic, Solar and Renewable Energy, Electronic and Security, Marine and RV, Golf and Electric Vehicle, Aerial Lifts and Fork Lifts, Floor Machines and Robotics.

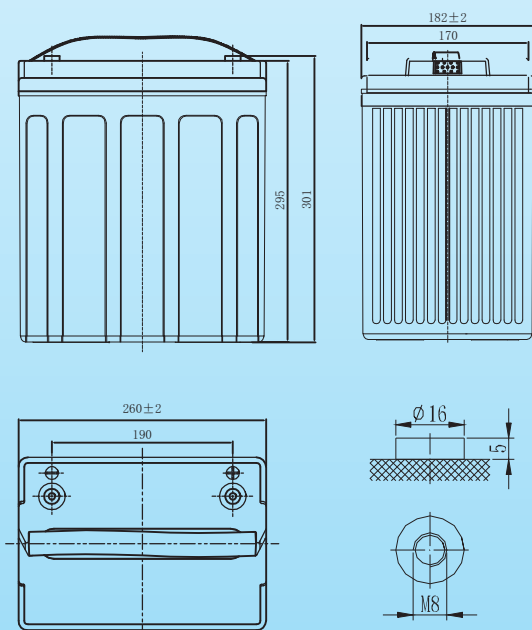
General Features

- Completely sealed valve regulated construction.
- Computer-aided 99.994% pure heavy-duty lead calcium grid designs.
- Wide range of operating temperatures (-40°C to 60°C).
- Low self discharge rates (Approx. 1%-3% monthly at 20 °C - 25°C / 68°F - 77°F).
- Multi-terminal options.
- Terminal protectors.
- Compatible with sensitive electronic equipment.
- Quality Assurance processes with ISO (4400/992579), QS and TUV Certification EMC tested, CE, ETTS Germany (G4M19906-9202-E-16). UL recognized and approved components (MH25860).
- Tellcordia and Bellcore compliant.

Dimensions and Weight

Length(mm / inch)	260 / 10.2
Width(mm / inch)	182 / 7.2
Height(mm / inch)	295 / 11.6
Total Height(mm / inch)	301 / 11.9
Approx. Weight(Kg / lbs)	40.6 / 89.5

* Weight deviation: ± 5%



Battery Specification

Performance Characteristics	
Nominal Voltage	8V
Industry Type No.	DIN
Terminals	F12(M8)
Ampere Hour Capacity	
20 hour	185Ah
10 hour	172Ah
5 hour	156Ah
Internal Resistance	
Fully Charged at (20°C)	1.8 mOhms
Self-Discharge	
<3% of capacity per month at 20°C	
Minutes of Discharge	
25A	412 min
75A	106 min
R/C @25A	379
Cranking Amps	
32°F/0°C	1000
0°F/-18°C	750
Operating Temperature Range	
Discharge	-20-60°C
Charge	-10-60°C
Storage	-20-60°C
Short circuit current	3250A
Charge methods: constant voltage charging at 20°C(68°F)	
Standby use	
Maximum charging current	0.3C _{10A}
Charge voltage	9.07-9.20V
Temperature compensation	-13mV/°C
Cyclic use	
Maximum charging current	0.3C _{10A}
Charge voltage	9.60-9.80V
Temperature compensation	-20mV/°C

Discharge Constant Current (Amperes at 68°F20°C)

End Point									
Volts/Cell	10min	15min	30min	45min	1h	3h	5h	10h	
1.60V	432	331	199	145	123	48.6	31.9	17.6	
1.65V	416	323	192	143	122	47.3	31.7	17.5	
1.70V	388	312	186	142	121	46.9	31.4	17.4	
1.75V	336	301	180	140	119	46.4	31.2	17.2	
1.80V	266	268	172	135	116	46.1	31.0	17.0	

Discharge Constant Power (Watts at 68°F20°C)

End Point									
Volts/Cell	10min	15min	30min	45min	1h	3h	5h	10h	
1.60V	731	600	385	284	229	92.6	61.5	35.6	
1.65V	712	588	380	282	226	92.1	61.3	35.4	
1.70V	662	556	375	280	223	91.7	61.1	35.2	
1.75V	593	514	363	275	221	91.2	60.7	35.0	
1.80V	478	451	349	268	218	90.3	60.2	34.8	

