

STATE OF MISSISSIPPI
OFFICE OF PURCHASING, TRAVEL AND FLEET MANAGEMENT
S P E C I F I C A T I O N S
FOR
AUTOMOTIVE BATTERIES

Effective Date: 10/19/11
Revised Date: 11/20/2020

1. SCOPE AND CLASSIFICATION

- 1.1 Scope. This specification covers definitions, rating standards, testing procedures and other requirements which shall apply to automotive batteries. It is not intended that this specification preclude improvement in product design and performance.
- 1.2 Classification. The batteries covered by this specification shall be furnished as shown on the Bid Form.

2. APPLICABLE PUBLICATIONS

- 2.1 Except as modified herein, the applicable portions of the following publications of the issues in effect on the date of Invitation for Bids form a part of this specification. In the event of conflicts, the provisions of this specification shall apply.

BCI	BATTERY COUNCIL INTERNATIONAL for types & classes
BCI	BATTERY COUNCIL INTERNATIONAL for battery materials specifications
BCI	BATTERY COUNCIL INTERNATIONAL for storage battery specifications
ASTM	AMERICAN SOCIETY OF TESTING & MATERIALS for B-29 and D-639
SAE	SOCIETY OF AUTOMOTIVE ENGINEERS for lead oxide
BCI	BATTERY COUNCIL INTERNATIONAL for maximum overall dimensions

(Copies of BCI standards may be obtained from Battery Council Int., 1801 Murchison Drive, Burlingame, CA 94010; copies of ASTM standards may be obtained from American Society of Testing & Materials, 1916 Race Street, Philadelphia, PA 19103; copies of SAE standards may be obtained from Society of Automotive Engineers, 2 Pennsylvania Plaza, New York, NY 10001.)

3. REQUIREMENTS

3.1 All batteries furnished under this specification shall conform to certain minimum requirements which are as follows:

- a. All batteries furnished under this specification shall conform to the Battery Council International Storage Battery Specifications and the Battery Council International Battery Materials Specifications.
- b. Batteries shall meet or exceed the requirements set forth on the Bid Form.
- c. Adjustments to warranty - Each battery bid under this specification shall be accompanied with a prorated cost per month adjustment schedule. (Each battery delivered under this specification shall be accompanied with the prorated adjustment card.)
- d. All battery cases shall be of a shock resistant, leakproof design, utilizing rigid, high impact polypropylene cases. Design shall prohibit loss, spillage and spewing of acid from battery during handling and use both in and out of vehicle and during service life in vehicle.
- e. Battery shall be designed with a gas trapping and venting system to avoid the spewing of fumes into the atmosphere.
- f. Design shall utilize heavy-duty features to prolong service life and resist vibration failure such as plates encapsulated in separator envelopes on three sides to prevent plate shorting. It is also desired that an outboard location of element plate straps be avoided.
- g. Design to provide an external method of quick check for adequate electrolyte reserve level and state of charge for valid testing is desirable.
- h. Battery shall have flame arrester protection to prevent internal explosion of battery caused by external sources of sparks or flames.
- i. Each battery bid should be a fully charged wet battery.
- j. The price bid shall be based upon no exchange (junk) battery being turned in. If the entity turns in an exchange (junk) battery, the contractor shall credit the entity an amount equal to the market value of the exchange.

3.2 Construction. The construction of the batteries shall be as follows:

- a. Material. The material used in the construction of each battery shall be of the best quality, free from all defects, shall have the necessary strength and rigidity and shall be entirely satisfactory for the intended purpose.

All material used in construction of the batteries and all electrolyte, shall conform to the requirements of the Battery Council International Battery Materials Specifications.

- b. Workmanship. The workmanship shall be the highest grade throughout in accordance with the best standard practice for this type of equipment.
- c. Finishing. The component parts of the battery and the exterior surface shall be

finished in accordance with the manufacturer's best standard practices.

3.3 Warranty.

- a. The manufacturer's standard warranty for the particular battery shall apply. A copy of the Manufacturer's standard warranty shall be submitted with the bid. The warranty or guarantee is required against defective material, workmanship, and failure to perform in accordance with the required performance criteria, for the period of the Service Guarantee from date of installation, on a prorated cost per month basis.
- b. Adjustments to the warranty in the event of defective or deficient batteries during the guaranteed life of the battery shall be made on a prorated cost per month basis of the contract price. It is understood that the term of this contract may be for a shorter duration than the term of the warranty. The contractor will be required to honor the warranty for the full term of the warranty.

3.4 Availability of Service and Warranty. Bidders are requested to include with each bid a list of companies or individuals, and their addresses, who will perform service warranty on the batteries furnished within the sales area.

3.5 Date of Manufacturer. All batteries delivered under the specification shall have been manufactured within one year of the date of the bid opening.

3.6 EPA Certification. Each bidder is required to provide EPA Certification for the recycling and disposal of wet batteries. A copy of the certificate should be submitted with this bid. The intent of this requirement is that the vendor uses a facility that is EPA certified for recycling and disposal.

4. SAMPLING, INSPECTION AND TEST PROCEDURES

4.1 Samples. Unless otherwise specified in the Invitation to Bid, no pre-purchase samples will be required. Testing may be performed on samples taken from material supplied on regular orders.

4.2 Inspection. Inspection may be done by or at the discretion of The Office of Purchasing, Travel and Fleet Management, either at the destination or at the place of manufacture.

4.3 Testing. All batteries and electrolyte may be inspected and tested for conformance to this specification, as deemed necessary. The State may perform inspections and performance tests on bid samples and/or subsequent delivered items.

The State reserves the right to evaluate batteries on any (or all) tests, as listed in B.C.I. Storage Battery Specifications.

5. PREPARATION FOR DELIVERY

5.1 Packing. All batteries shall be packaged in accordance with the best recognized commercial practice and in a manner readily acceptable by common carriers engaged in interstate commerce.

5.2 Marking. All batteries shall be plainly marked and with the following information:

- a. Manufacturer's name, trademark or trade brand

- b. BCI group number
- c. Cold crank amps
- d. Date of manufacture and lot number (if applicable).
- e. Reserve capacity

6. NOTES

- 6.1 Commodities procured under this specification shall not deviate from those originally contracted for without written approval from The Office of Purchasing, Travel and Fleet Management.
- 6.2 This specification shall, until revised or rescinded by The Office of Purchasing, Travel and Fleet Management, apply to each future purchase and contract for the commodities described herein.
- 6.3 It is the intent of the specifications to obtain a product that will adequately meet the needs of the user while promoting the greatest extent of competition that is practicable. It is the responsibility of the prospective bidder to review the entire Request for Bids packet and to notify The Office of Purchasing, Travel and Fleet Management if the Specifications, Instructions, General or Special Conditions are formulated in a manner which would unnecessarily restrict competition. Any protest or question concerning the specifications or bidding procedures must be received by The Office of Purchasing, Travel and Fleet Management not less than 72 hours prior to the time and date set for the bid opening.