

**SRI LANKA STANDARD 1235: 2019**  
**UDC 621.355.2**

**SPECIFICATION FOR**  
**LEAD - ACID STARTER BATTERIES FOR**  
**MOTOR CYCLES**  
**AND SIMILAR VEHICLES**  
**(First Revision)**

**SRI LANKA STANDARDS INSTITUTION**

**Sri Lanka Standard**  
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**SRI LANKA STANDARDS INSTITUTION**  
**No 17, Victoria Place**  
**Elvitigala Mawatha**  
**Colombo 08**  
**SRI LANKA**

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## **FOREWORD**

This standard was approved by the Sectoral Committee on Electrical Appliances and Accessories and was authorized for adoption as a Sri Lanka Standard by the Council of the Sri Lanka Standards Institution on 2019-04-03.

This is the first revision of the **SLS 1235: 2002** and deals with the Lead-acid starter batteries for motor cycles and three wheelers (Petrol) and similar use. This revision introduces new tests Charge retention, Water consumption and Life test for Lead –acid starter batteries. The standard specifies performance requirements dimensions, nominal voltage, capacity, and method of tests for motor cycle lead acid batteries of two types namely, vented type and valve regulated type. The safety precautions for handling of batteries are also included in this standard.

For the purpose of deciding whether a particular requirement of the standard is complied with, the final value, observed value or calculated, expressing the result of a test or an analysis shall be rounded off in accordance with **SLS 102**. The number of significant places retained in the rounded off value shall be the same as that of the specified value in this standard.

All the values given in this specification are in SI units.

In the preparation of the standard, the assistance derived from the **JIS D 5302 2004** : Lead-acid batteries for motor cycle of the Japanese Standards Association is gratefully acknowledged.

## **1. SCOPE**

This Sri Lanka Standard specifies requirements and methods of test for Lead-acid batteries used for starting, lighting and ignition of motor cycles, scooters, three wheelers and similar vehicles. Batteries with a nominal voltage of 6 V and 12 V are included within the scope of this standard.

This standard covers the capacity of Lead-acid starter batteries upto 32 Ah and the technical specifications of the batteries are specified upto 18 Ah under 10-hour rate in Table 1. If the capacity of batteries exceeds 18 Ah the required technical specifications, shall be forwarded by the manufacturer or supplier for testing purposes.

Lead-acid starter batteries specified in **SLS 1126**, used for Automobiles are not covered in the scope of this standard.