



EDC 2 (2592) DTZS

IEC 62040-3:2021

## **DRAFT TANZANIA STANDARD**

**(Draft for comments only)**

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**Uninterruptible power systems (UPS) - Part 3: Method of specifying the performance and test requirements**

Draft for Stakeholders comments only

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**TANZANIA BUREAU OF STANDARDS**

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## **1 National Foreword**

This draft Tanzania Standard is being prepared by the ELV and Energy Storage Systems Technical Committee, under the supervision of the Electrotechnical Divisional Standards Committee (EDC)

This draft Tanzania Standard is an adoption of the International Standard IEC 62040-3:2021, *Uninterruptible power systems (UPS) - Part 3: Method of specifying the performance and test requirements*, which has been prepared by the International Electrotechnical Commission (IEC).

## **2 Terminology and conventions**

Some terminologies and certain conventions are not identical with those used in Tanzania Standards; Attention is drawn especially to the following:

- 1) The comma has been used as a decimal marker for metric dimensions. In Tanzania Standards, it is current practice to use “full point” on the baseline as the decimal marker; and
- 2) Where the words “International Standard(s)” appear, referring to this standard they should read “Tanzania Standard(s)”.

### 3 Scope

This standard establishes the performance and test requirements applied to movable, stationary and fixed electronic uninterruptible power systems (UPS) that

- are supplied from AC voltage not exceeding 1 000 V,
- deliver AC output voltage not exceeding 1 000 V,
- incorporate an energy storage device not exceeding 1 500 V DC, and
- have a primary function to ensure continuity of load power.

This document specifies performance and test requirements of a complete UPS and, where applicable, of individual UPS functional units. This document also includes UPS performance and test requirements related to UPS switches that interact with UPS functional units to maintain continuity of load power.

This document does not cover

- conventional AC and DC distribution boards and their associated switches;
- stand-alone static transfer systems;
- rotary UPS covered; and
- DC UPS covered by TZX 2743-5-3.

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