



CERTIFICATION NO.: NEMSA/NMTSO/TTC/2023/033  
 EXPIRY DATE: 18<sup>TH</sup> MAY, 2025.

## ELECTRICITY ENERGY METER TEST CERTIFICATE

**NAME OF APPLICANT:** DIRECT CREDIT E-SOLUTIONS NIGERIA LIMITED.  
**ADDRESS:** SUITE PLOT B64, PENTHOUSE 3 ESTATE, LUGBE, ABUJA, NIGERIA.

**METER MANUFACTURER:** SHENZHEN CALINMETER CO., LTD.  
**ADDRESS:** FLOOR 6, BD A6, QIAODE TECH PARK, KELIAN ROAD, GUANG MING DISTRICT SHENZHEN, CHINA.

**METER CERTIFICATION TYPE:** TYPE TEST

**METER PARTICULARS**

**DESCRIPTION:**

**MAKE:** Single Phase Two Wires Energy Meter.

**TYPE DESIGNATION:** CA168

**CLASS:** 1.0

**RATED VOLTAGE:** 230V

**RATED CURRENT:** 5(60) A

**FREQUENCY:** 50Hz

**METER CONSTANT:** 1000 imp/KWh

**REGISTER TYPE:** LCD

**APPLICATION:** Indoor

**PROTECTION CLASS:** II

**MODE OF REGISTRATION:** Uni-Directional

**APPLICABLE STANDARD:**

The Energy Meter was tested based on the Requirements of:

NIS/IEC 62052-11:2021 : Electricity Metering Equipment (a.c)-General requirements, Tests and Conditions for Metering equipment.

NIS/IEC 62053-21:2021 : Electricity Metering Equipment (a.c)-Particular Requirements: Static Meters for Active Energy (classes i and 2).

Nigeria Metering Code (NMC) Version 02.

**TEST LOCATION:** NATIONAL METER TEST STATION, OSHODI, LAGOS

**AMBIENT CONDITIONS:** Temperature: 21.0 °C, Humidity: 42%

**TEST MODE:** As received

**SCOPE OF TEST:** Covers evaluation of conformity to General/Constructional, Insulation, Accuracy, Electrical, Electro-magnetic, Mechanical and Climatic requirements.

**EXCLUSION FROM LIABILITY CLAUSE**

This certification covers the meter(s) presented to NEMSA for certification, NEMSA is not liable for any tampering, alteration or modification that may occur after certifications.

CERTIFIED BY: EASA SHUAIBU USMAN DESIGNATION: EDTS

SIGNATURE: [Signature] DATE: 23/5/2023