



## Certificate of Compliance

|                        |                                                                                                                               |                    |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Certificate N°:</b> | 3797                                                                                                                          | <b>issue date:</b> | August 27th, 2026                                                                                                             |
| <b>Applicant:</b>      | BUYI TECHNOLOGY CO., LIMITED<br>BUILD. #19, the belt and road<br>industrial park<br>Bei Gou Street, Xin Yi City<br>-<br>China | <b>Issued to:</b>  | BUYI TECHNOLOGY CO., LIMITED<br>BUILD. #19, the belt and road<br>industrial park<br>Bei Gou Street, Xin Yi City<br>-<br>China |

The certified product listed below is eligible to bear the DLMS UA Mark shown



### PRODUCT

|               |                                 |
|---------------|---------------------------------|
| Model:        | BY100                           |
| Type:         | Single Phase Smart Energy Meter |
| Manufacturer: | BUYI TECHNOLOGY COMPANY LIMITED |
| S/N°:         | 00691096                        |

Sergio LAZZAROTTO  
President

Toufann Chaudhuri  
Executive Director

This Certificate of **Compliance** is based on an evaluation of a test report based on a single test executed on one specimen of the product, as identified by the **Product** data above. This Certificate is issued on the condition that the holder complies and will continue to comply with the licensing requirement and procedures issued by **DLMS UA**.  
The authenticity of the test report has been verified by the **DLMS User Association** and the equipment identified above is listed on its web site at: [www.dlms.com](http://www.dlms.com).



## TEST SUMMARY REPORT

Certificate N°: 3797

### PRODUCT

|                      |                                                                  |
|----------------------|------------------------------------------------------------------|
| Firmware ID:         | ID: (1-0:0.2.0.255) 0136<br>ID: (1-1:0.2.0.255) 0306             |
| Mgmt LDN (SAP = 1) : | SAP = 1 is 0x42555931303430333030363931303936 (BUY1040300691096) |
| Manufacturer:        | BUYI TECHNOLOGY COMPANY LIMITED                                  |
| Media Identifier:    | ABSTRACT, ELECTRICITY_AC                                         |
| S/N°:                | 00691096                                                         |

### COMPLIANCE SPECIFICATION

|                                  |                   |
|----------------------------------|-------------------|
| COSEM IF Classes and OBIS Codes: | Blue Book Ed. 17  |
| DLMS/COSEM Protocol:             | Green Book Ed. 12 |

### TESTS SPECIFICATION

|                               |                                                                                                                  |
|-------------------------------|------------------------------------------------------------------------------------------------------------------|
| Test Specification:           | ATP_BB17_GB12_rel1.0                                                                                             |
| Test Tool Version:            | DLMSTT 3.0.0.0                                                                                                   |
| Test Tool Licensee:           | BUYI TECHNOLOGY CO., LIMITED                                                                                     |
| COSEM Object definition file: | Object_defs_v17 r1.0                                                                                             |
| Communication profile:        | TCP, HDLC                                                                                                        |
| COSEM classes tested:         | 1,3,4,5,6,7(1),8,9,11,15(3),17,18,20,21,22,23(1),27(1),28(2)<br>29(2),40(2),41,42,43,44,45,47(2),64(1),70,71,122 |
| Date of issue:                | 27-AUG-2026                                                                                                      |



## SUMMARY HDLC profile

Certificate N°: 3797  
Test File: TR-260827-104515-BUY-HDLC-DLMSTT-3.0.0.0-BY100\\_Report.html  
Hash: bed8085dc565caa63d4b7bbc90c2b506e82ac91d8f55d876049d20e227a21786  
Test Script File: TR-260827-104515-BUY-HDLC-DLMSTT-3.0.0.0-BY100\\_CTI.json  
Date of issue: 2026-08-27 10:05:54

\*\*\*\*\*  
\* Summary \*  
\*\*\*\*\*

| Test suite                              | Total | Passed | Failed |
|-----------------------------------------|-------|--------|--------|
| Compliance - HDLC based data link layer | 31    | 31     | 0      |
| Compliance - Application Layer          | 178   | 178    | 0      |
| Compliance - Secure message exchange    | 68    | 68     | 0      |
| Compliance - COSEM interface objects    | 928   | 928    | 0      |
| Compliance - Symmetric keys             | 167   | 167    | 0      |
| Compliance - Public key Certificates    | 349   | 349    | 0      |
| Compliance - Security policy            | 42    | 42     | 0      |

**Communication Profile:** HDLC

**Serial Number:** Device ID #1 00691096

**Logical Device(s):** SAP = 1 is 0x42555931303430333030363931303936 (BUY1040300691096)

**Active Firmwares:**  
ID: (1-0:0.2.0.255) 0136  
Signature: (1-0:0.2.8.255) 0xF330FAB2  
ID: (1-1:0.2.0.255) 0306  
Signature: (1-1:0.2.8.255) 0x50732EF7

**Application Context Names:** LONG\_NAMES, LONG\_NAMES\_WITH\_CIPHERING

**Authentication Mechanisms:** HIGH\_LEVEL\_SECURITY\_ECDSA, HIGH\_LEVEL\_SECURITY\_GMAC  
HIGH\_LEVEL\_SECURITY\_SHA256, NO\_SECURITY

**ACSE and xDLMS Features:** ACCESS, ACTION, GET, MULTIPLE\_REFERENCES  
PROFILE\_BUFFER\_SELECTIVE\_ACCESS\_BY\_ENTRY  
PROFILE\_BUFFER\_SELECTIVE\_ACCESS\_BY\_RANGE  
RLRQ\_RLRE, SERVICE\_SPECIFIC\_BLOCK\_TRANSFER, SET

**Security Features:** CERTIFICATES  
GENERAL\_CIPHERING\_WITH\_AGREED\_ONE\_PASS\_DH  
GENERAL\_CIPHERING\_WITH\_AGREED\_STATIC\_UNIFIED  
GENERAL\_CIPHERING\_WITH\_IDENTIFIED\_KEY  
GENERAL\_CIPHERING\_WITH\_WRAPPED\_KEY  
GENERAL\_DED\_CIPHERING, GENERAL\_GLO\_CIPHERING  
GENERAL\_SIGNING  
KEY\_AGREEMENT  
KEY\_TRANSFER  
SECURITY\_ACTIVATE  
SERVICE\_SPECIFIC\_GLO\_CIPHERING  
SUITE\_1



## SUMMARY TCP profile

Certificate N°: 3797  
Test File: TR-260827-124511-BUY-TCP-DLMSTT-3.0.0.0-BY100\\_Report.html  
Hash: a18565813cba8c172248b950d41d0b6b77bbebbbf09f27c1cb84a773b323697b  
Test Script File: TR-260827-124511-BUY-TCP-DLMSTT-3.0.0.0-BY100\\_CTI.json  
Date of issue: 2026-08-27 11:11:57

\*\*\*\*\*  
\* Summary \*  
\*\*\*\*\*

| Test suite                           | Total | Passed | Failed |
|--------------------------------------|-------|--------|--------|
| Compliance - Application Layer       | 204   | 204    | 0      |
| Compliance - Secure message exchange | 68    | 68     | 0      |
| Compliance - General Block Transfer  | 22    | 22     | 0      |
| Compliance - COSEM interface objects | 928   | 928    | 0      |
| Compliance - Symmetric keys          | 167   | 167    | 0      |
| Compliance - Public key Certificates | 349   | 349    | 0      |
| Compliance - Security policy         | 42    | 42     | 0      |

**Communication Profile:** TCP

**Serial Number:** Device ID #1 00691096

**Logical Device(s):** SAP = 1 is 0x42555931303430333030363931303936 (BUY1040300691096)

**Active Firmwares:**  
ID: (1-0:0.2.0.255) 0136  
Signature: (1-0:0.2.8.255) 0xF330FAB2  
ID: (1-1:0.2.0.255) 0306  
Signature: (1-1:0.2.8.255) 0x50732EF7

**Application Context Names:** LONG\_NAMES, LONG\_NAMES\_WITH\_CIPHERING

**Authentication Mechanisms:** HIGH\_LEVEL\_SECURITY\_ECDSA, HIGH\_LEVEL\_SECURITY\_GMAC  
HIGH\_LEVEL\_SECURITY\_SHA256, NO\_SECURITY

**ACSE and xDLMS Features:** ACCESS, ACTION, GBT\_STREAMING, GENERAL\_BLOCK\_TRANSFER, GET  
MULTIPLE\_REFERENCES  
PROFILE\_BUFFER\_SELECTIVE\_ACCESS\_BY\_ENTRY  
PROFILE\_BUFFER\_SELECTIVE\_ACCESS\_BY\_RANGE  
RLRQ\_RLRE, SERVICE\_SPECIFIC\_BLOCK\_TRANSFER, SET

**Security Features:** CERTIFICATES  
GENERAL\_CIPHERING\_WITH\_AGREED\_ONE\_PASS\_DH  
GENERAL\_CIPHERING\_WITH\_AGREED\_STATIC\_UNIFIED  
GENERAL\_CIPHERING\_WITH\_IDENTIFIED\_KEY  
GENERAL\_CIPHERING\_WITH\_WRAPPED\_KEY  
GENERAL\_DED\_CIPHERING, GENERAL\_GLO\_CIPHERING  
GENERAL\_SIGNING, KEY\_AGREEMENT, KEY\_TRANSFER  
SECURITY\_ACTIVATE  
SERVICE\_SPECIFIC\_GLO\_CIPHERING  
SUITE\_1