

## Certification No. 2303

This is to certify that the metering equipment identified as:

**Type: DJGZ23-II Active firmware(s): Id=DJGZ23-II**  
**Mgmt. SAP = 1 is "53544331303039313337303130303132" (STC1009137010012)**  
**Manufactured by: Sunrise\_China**

has successfully passed the DLMS/COSEM Conformance test, under the following conditions:

- CTT version: CTT 3.1 standard edition, 64bits, release 107
- Licensed to: 20181108\_HANGZHOU\_SUNRISE\_TECHNOLOGY\_Hangzhou\_City\_China (2018/11/8)
- COSEM object definitions file version: Object\_defs\_v3.3\_released\_180601.dat
- Media identifier(s): Abstract, Electricity

Tests	Comm. profile & opening mode	Application contexts	Security features	Date and time	Test Result hash value
Test 1	HDLC, DIRECT_HDLC	LONG_NAMES, LONG_NAMES _WITH_ CIPHERING	SERVICE_SPECIFIC_ DED_CIPHERING SERVICE_SPECIFIC_ GLO_CIPHERING, SUITE_0	07-MAR-2020 09:12:05	3C39C77C9B81A5F3E7C606BDD7E5BFE9 6538C1309042DF943AAA22C165BAC2C4
Test 2	TCP			07-MAR-2020 14:37:18	94CBE50A19511F9E9072A39940DC8F7FE A1EC595320E19ACCC538E6BF6A1C1E3

The authenticity of the test report(s) has been verified by the DLMS User Association and the metering equipment identified above is listed on its web site at: [www.dlms.com](http://www.dlms.com).

With this, the manufacturer is entitled to display the DLMS/COSEM Compliant mark – shown below – on its product duly identified and on its product literature.



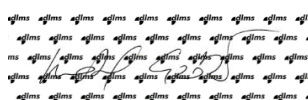
The test reports are filed by the DLMS UA. Copies are available from the manufacturer.

This Certificate is only valid for the functions successfully tested; see the Summary. The test has been executed on one specimen of the product, as identified by the Management Logical Device Name reported. Results may not be applicable for other test specimens.

Date: Zug, the 9<sup>th</sup> March 2020



*Sergio Lazzarotto*  
Executive Director and President



*Győző Kmethy*  
President Emeritus



*Viktória Varjú*  
Certification Engineer

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## Summary of features tested for Test 1

This section provides an overview of the features tested, aggregated over all logical devices and Application Associations in one test session. Full information is available in the Test Result.

```
*****  
* Identification *  
*****
```

```
Identification = {  
  Manufacturer = "\Sunrise_China"  
  FLAGid = "\STC"  
  Type = "\DJGZ23-II"  
  ConfigurationId = "\000001"  
  SerialNr = "\37010012"  
}
```

```
*****  
* Summary *  
*****
```

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	----	-----	-----	-----	-----	-----
HDLC	36	0	3	0	33	0
APPL	54	0	18	0	36	0
COSEM	486	0	2	38	446	0
SYMSEC		All (No ciphered association with the required properties)				
PUBSEC		All (No ciphered association with the required properties)				
DP	0	0	0	0	0	0
GBT		All (No association with the required properties)				

```
Communication profile:          HDLC  
Application context names:     LONG_NAMES, LONG_NAMES_WITH_CIPHERING  
Authentication mechanisms:    NO_SECURITY, LOW_LEVEL_SECURITY  
ACSE and xDLMS features:     GET, SERVICE_SPECIFIC_BLOCK_TRANSFER  
Security features:           SERVICE_SPECIFIC_DED_CIPHERING  
                             SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0  
Data protection features:     (not collected)  
Logical device(s) found:      SAP = 1 is "53544331303039313337303130303132"  
                               (STC1009137010012)  
Active firmware(s):          Id=DJGZ23-II  
COSEM classes tested:         1, 3, 4, 7 (1), 8, 9, 15 (1), 17, 18, 20, 22, 23 (1), 41  
                               45, 48, 64, 70, 71  
COSEM classes found but not tested: (none)
```

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## Summary of features tested for Test 2

This section provides an overview of the features tested, aggregated over all logical devices and Application Associations in one test session. Full information is available in the Test Result.

```
*****  
* Identification *  
*****
```

```
Identification = {  
  Manufacturer = "\Sunrise_China"  
  FLAGid = "\STC"  
  Type = "\DJGZ23-II"  
  ConfigurationId = "\000001"  
  SerialNr = "\37010012"  
}
```

```
*****  
* Summary *  
*****
```

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All (Communication profile not HDLC)				
APPL	54	0	17	0	37	0
COSEM	507	0	2	32	473	0
SYMSEC		All (No ciphered association with the required properties)				
PUBSEC		All (No ciphered association with the required properties)				
DP	0	0	0	0	0	0
GBT		All (No association with the required properties)				

Communication profile: TCP

Application context names: LONG\_NAMES, LONG\_NAMES\_WITH\_CIPHERING

Authentication mechanisms: NO\_SECURITY, LOW\_LEVEL\_SECURITY

ACSE and xDLMS features: GET, RLRQ\_RLRE, SELECTIVE\_ACCESS  
SERVICE\_SPECIFIC\_BLOCK\_TRANSFER

Security features: SERVICE\_SPECIFIC\_DED\_CIPHERING  
SERVICE\_SPECIFIC\_GLO\_CIPHERING, SUITE\_0

Data protection features: (not collected)

Logical device(s) found: SAP = 1 is "53544331303039313337303130303132"  
(STC1009137010012)

Active firmware(s): Id=DJGZ23-II

COSEM classes tested: 1, 3, 4, 7(1), 8, 9, 15(1), 17, 18, 20, 22, 23(1), 41  
45, 48, 64, 70, 71

COSEM classes found but not tested: (none)