



CERTIFICATE OF COMPLIANCE

Certificate N°:	2599	Issue date:	July 15th, 2021
Applicant:	Ningbo Sanxing Smart Electric Co., Ltd.	Issued to:	Ningbo Sanxing Smart Electric Co., Ltd.
	No.16, Fengwan Road, Cicheng Town Jiangbei District 315034-Ningbo China		No.16, Fengwan Road, Cicheng Town Jiangbei District 315034-Ningbo China

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



PRODUCT

Model: S12U02-5
Type: S12U02-5
Firmware ID: Id=V0101 S=69DC,Id=V1109 S=98F4, Id=V0000 S=V0000

Mgmt LDN (SAP = 1): "41555831303230313030303030303030" (AUX1020100000000)
Manufacturer: Ningbo Sanxing Smart Electric Co., Ltd
Media Identifiers: Abstract, Electricity

CONFORMANCE SPECIFICATION

COSEM IF Classes and OBIS Codes: Blue Book Ed. 14
DLMS/COSEM Protocol: Green Book Ed. 10

TEST TOOL & SPEC.

Test Specification: Yellow Book Ed. 8
Test Tool Version: Standard 3.1
Test Tool Licensee: Ningbo Sanxing Smart Electric Co., Ltd.
COSEM Object definition file: Object_defs_v3.6_Released_20200825.dat
Communication profiles: HDLC (DIRECT_HDLC, MODE_E)

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 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.



CERTIFICATE OF COMPLIANCE

Test Report N°: 2599

Test File: S12U02-5_HDLC tested with CTT 3.1 standard edition, 64 bits, release 108

* Identification *

Identification = {
Manufacturer = "\Ningbo Sanxing Smart Electric Co., Ltd"
FLAGid = "\AUX"
Type = "\S12U02-5"
SerialNr = "\4500000013"
Applicant = "\Ningbo Sanxing Smart Electric Co., Ltd"
}

* Summary *

Table with 7 columns: TYPE, TOTAL, SKIPPED, INAPPLICABLE, INCONCLUSIVE, PASSED, FAILED. Rows include HDLC, APPL, SecMsg, COSEM, SymKey, DP, GBT, PubCert, SecPol.

Communication profile: HDLC
Application context names: LONG_NAMES
Authentication mechanisms: NO_SECURITY, LOW_LEVEL_SECURITY
ACSE and xDLMS features: GET,RLRQ_RLRE,SELECTIVE_ACCESS SERVICE_SPECIFIC_BLOCK_TRANSFER,SET
Security features: (not collected)
Data protection features: (not collected)
Logical device(s) found: SAP = 1 is "41555831303230313030303030303030" (AUX102010000000)
Active firmware(s): Id=V0101 S=69DC,Id=V1109 S=98F4 Id=V0000 S=V0000
COSEM classes tested: 1,3,4,5,6,7(1),8,9,11,15(1),17,20,21,22 23(1),40,43,64,70,71,80,81,82,83,84,85,86 124
COSEM classes found but not tested: (none)



CERTIFICATE OF COMPLIANCE

Test Report N°: 2599

Test File: S12U02-5_MODE_E tested with CTT 3.1 standard edition, 64 bits, release 108

* Identification *

Identification = {

Manufacturer = "\\Ningbo Sanxing Smart Electric Co., Ltd"

FLAGid = "\\AUX"

Type = "\\S12U02-5"

SerialNr = "\\45000000013"

Applicant = "\\Ningbo Sanxing Smart Electric Co., Ltd"

}

* Summary *

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
HDLC		All(MODE_E)				
APPL	55	0	18	0	37	0
SecMsg		All (No ciphered association with the required properties)				
COSEM	7453	0	10	65	7378	0
SymKey		All (No ciphered association with the required properties)				
DP	0	0	0	0	0	0
GBT		All (No association with the required properties)				
PubCert		All (No ciphered association with the required properties)				
SecPol		All (No ciphered association with the required properties)				

Communication profile:	HDLC
Application context names:	LONG_NAMES
Authentication mechanisms:	NO_SECURITY, LOW_LEVEL_SECURITY
ACSE and xDLMS features:	GET,RLRQ_RLRE,SELECTIVE_ACCESS SERVICE_SPECIFIC_BLOCK_TRANSFER,SET
Security features:	(not collected)
Data protection features:	(not collected)
Logical device(s) found:	SAP = 1 is "41555831303230313030303030303030" (AUX102010000000)
Active firmware(s):	Id=V0101 S=69DC,Id=V1109 S=98F4 Id=V0000 S=V0000
COSEM classes tested:	1,3,4,5,6,7(1),8,9,11,15(1),17,20,21,22 23(1),40,43,64,70,71,80,81,82,83,84,85,86 124
COSEM classes found but not tested:	(none)