

CENTRAL POWER RESEARCH INSTITUTE

Prof. Sir C V Raman Road, PO Box 8066, Sadashivanagar PO,
BENGALURU - 560 080. INDIA



UCA IEC 61850 Certificate Level A¹

International
Users Group



No.: CPRIBLRSGRL25TC0002

Issued to:

M/s. GARDEN POWER TECHNOLOGIES PVT. LTD.,
259/233 Shop No.1, 9th Main Road,
Ideal Homes Layout, RR Nagar,
BANGALORE – 560098, INDIA.

For the server product:

IEC-61850 COMPATIBLE ANNUNCIATOR
Model: 2200P
Serial No.: A-24025327
Hardware Version: V1.0
Software Version: V1.0

Issued by: CENTRAL POWER RESEARCH INSTITUTE, India

**The server product has not been shown to be non-conforming to:
IEC 61850 Edition 2 with Amendment 1 Parts 6, 7-1, 7-2, 7-3, 7-4 and 8-1
Communication networks and systems for power utility automation**

The conformance test has been performed according to IEC 61850-10, the UCA International Users Group Edition 2 with Amendment 1 Server Test Procedures version 1.2 with product's protocol, model and tissues implementation conformance statements: "PICS Version V1.0; dated 01 November 2024", "MICS Version V1.0; dated: 01 November 2024", "TICS Version V1.0; dated: 14 June 2024" and product's extra information for testing: "PIXIT Version V1.0; dated: 01 November 2024".

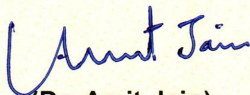
The following IEC 61850 conformance blocks have been tested with a positive result (number of relevant and executed test cases / total number of test):

1a Basic Exchange (17/29)	5 Unbuffered Reporting (25/26)
2 Data Sets (3/7)	6 Buffered Reporting (35/36)
2+ Data Set Definition (24/24)	13a Time Synchronization with SNTP (4/8)

This Certificate includes a summary of the test results as carried out at Central Power Research Institute (CPRI), Bangalore in India with Client Simulator UniGrid SA Simulator version 3.1.1 with test suite version Ed2_Server_Ed2TP2.0.6_Ed2.1TP1.3_v3.1.0 and UniCA 61850 analyzer version 6.45.3.0. This document has been issued for information purposes only, and the original paper copy of the CPRI report No.: CPRIBLRSGRL25T0002; dated: 21 January, 2025 will prevail.


The test has been carried out on the specimen of the product as referred above and submitted to CPRI by M/s. GARDEN POWER TECHNOLOGIES PVT. LTD., # 259/233 Shop No.1, 9th Main Road, Ideal Homes Layout, RR Nagar, BANGALORE – 560098, INDIA. The manufacturer's production process has not been assessed. This certificate does not imply that CPRI has certified or approved any product other than the specimen tested.

Bangalore; 21 January, 2025



(Dr. Amit Jain)
Additional Director





(Shivendra Kumar Sinha)
Test Engineer

¹ Level A – Independent Test lab with certified ISO/IEC 17025 Quality System.
UCA International Users Group, P.O. Box 315, Shell Knob, MO 65747, USA

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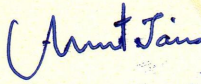
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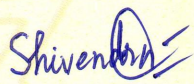


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Applicable Server Test Procedures from the UCA International Users Group Edition 2 Amendment 1 Server Test Procedures version 1.2

Conformance Block	Mandatory	Conditional
1a: Basic Exchange	sAss1, sAss2, sAss3, sAss4, sAssN2, sAssN3, sAssN4, sAssN5, sSrv1, sSrv2, sSrv3, sSrv4, sSrv5, sSrv8, sSrvN1abcd, sSrvN4	sAssN6
2: Data Sets	sDs1, sDs10a, sDsN1ae	
2+: Data Set Definition	sDs2, sDs3, sDs4, sDs5, sDs6, sDs7, sDs8, sDs9, sDs13, sDs14, sDsN1cd, sDsN2, sDsN3, sDsN4, sDsN5, sDsN6, sDsN7, sDsN8, sDsN9, sDsN10	sDs11, sDs12, sDsN11, sDsN12
5: Unbuffered Reporting	sRp1, sRp2, sRp3, sRp4, sRp5, sRp9, sRp14, sRp16, sRp23, sRpN1, sRpN2, sRpN3, sRpN4, sRpN5, sRpN7, sRpN8, sRpN9	sRp6, sRp7, sRp8, sRp10, sRp11, sRp12, sRp13, sRp15
6: Buffered Reporting	sBr1, sBr2, sBr3, sBr4, sBr5, sBr9, sBr14, sBr16, sBr20, sBr21, sBr22, sBr23, sBr24, sBr25, sBr26, sBr27, sBr28, sBr29, sBrN1, sBrN2, sBrN3, sBrN4, sBrN5, sBrN7, sBrN8, sBrN9, sBrN10	sBr6, sBr7, sBr8, sBr10, sBr11, sBr12, sBr13, sBr15
13a: Time sync SNTP	sTm1, sTm2, sTm7, sTmN1	


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