CERTIFICATE OF COMPLIANCE

Certificate Number: XWDA, BVQYDA
Certification Report Number: LIT15250623-A1M2 COC No.:LIT15250623COC
Issue Date: March 23, 2026

Sangam Baligar
Enphase Energy, Inc.
47281 Bayside Pkwy
Fremont, CA 94538
sbaligar@enphaseenergy.com

Product Name: IQ Battery R4
Model No.: IQBATTERY-10C-1P-NA and IQBATTERY-10CS-1P-NA

This is to certify that representative samples of the above listed product have been investigated by Bureau Veritas in accordance with the Standard(s) indicated in Annex A of this certificate.

Please Note: This certificate does not represent authorization for the use of any Bureau Veritas Certification Marks.

If there are any questions regarding the details contained in this letter, please contact me or any Bureau Veritas CPS customer service representative.

Sincerely,

Aditya Iyer

Aditya Iyer
Principle Engineer
aditya.iyer@bureauveritas.com

Reviewed by,

Dishant Patel

Dishant Patel
Reviewer
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ANNEX A: CERTIFICATION STANDARDS

ANSI/CAN/UL 9540:2023, 3rd Edition, June 28, 2023, Energy Storage Systems and Equipment

UL 1741, 3rd Edition, October 23, 2024, Inverters, Converters, Controllers and Interconnection System Equipment for Use with Distributed Energy Resources, including Supplement A and Supplement B

CSA C22.2 #107.1:16 (R2021), 4th Edition, Power Conversion Equipment

CSA C22.2 No. 9:20 2nd edition, Interconnection of distributed energy resources and electricity supply systems

CSA C22.2 No. 0.8:19 (R2024), Safety functions incorporating electronic technology

UL 62109-1, 1st Edition, November 28, 2023, Safety of Power Converters for Use in Photovoltaic Power Systems - Part 1: General Requirements

IEEE1547-2018: IEEE Standard for Interconnection and Interoperability of Distributed Energy Resources with Associated Electric Power Systems Interface

IEEE1547.1-2020: IEEE Standard Conformance Test Procedures for Equipment interconnecting Distributed Energy Resources with Associated Electric Power Systems Interface

California Rule 21 Interconnection

HECO Rule 14H, SRD V2.0, Interconnection Application

ANNEX B: UL1998 COMPLIANCE DETAILS

Type/Model No.	Version	Unique Identifier	BV Project	Date of Evaluation
BMU	4.4.24	555ba49b	Y0623	March 10, 2025
IQ8BL	10.9.13	1281c134		
IQ8BN	10.9.16	7d7725c0		
BMU	4.4.28	9e9f96d	Y0623	March 23, 2025
IQ8BL	10.9.45	d807875c		
IQ8BN	10.9.46	1aafd2b8		
BMU	4.5.46	5e3ca2a6d8ea47563e81c8913e424f5d8490d8e8	Z0585	August 11, 2025
IQ8BL	10.09.79	8a30d251		
IQ8BN	10.09.80	96a39044		
BMU	4.7.4	b021a3406c933c0a38c2a9580c77e2ac06d52500		
IQ8BL	10.09.81	6acc9f13		
IQ8BN	10.09.82	bd9fe5ba		
BMU	4.7.14	069ed5591a0bdbd74fba7e35ca06aeeca95f0e9b	Z0585	December 4, 2025
IQ8BL	10.09.99	be6aff08		
IQ8BN	10.09.100	1fc8e91b		
BMU	4.7.15	b9aba9ce4a133a35b0d46f9203c8fc900f70ff6c		
IQ8BL	10.09.103	a06d9c0d		
IQ8BN	10.09.104	438203db		

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ANNEX C: TEST SUMMARY

Test Name	UL1741	UL62109-1	IEC62109-2	CSA C22.2 #107.1
Maximum-Voltage Measurements	45	-	-	6.2
Temperature	46	4.3	-	6.3
Dielectric Voltage-Withstand Test	47	7.5	-	6.5
Output ratings	48.2	4.7	-	6.2, 10.5.4
Input range	48.3	4.7	-	6.2
Harmonic distortion	48.4	-	-	10.5.2
Output overload test	50.2	4.4.4.7	-	6.6
Short-circuit test	50.3	4.4.4.5	-	6.6, 10.5.5, 14.4.6
Component short- and open-circuit	50.6	4.4.4.1	-	6.6
Capacitor Voltage Determination Test	60	7.3.9	-	6.19
Backfeed Current Test	-	4.4.4.6	-	-
Durability of Marking	-	5.1.2	-	-
Ingress Protection	-	6.3	-	-
Protection Against Energy Hazards	-	7.5	-	-
Stress Relief Test	53	13.6.2.1	-	6.17
Impact Test	-	13.7.3	-	6.12
Harmonic Distortion	48.4	-	-	10.5.2
Stand-alone Inverter AC output voltage and frequency	-	-	4.7.4	-
Stand-alone Inverter output voltage waveform	-	-	4.7.5	-

Test Name	UL1741	IEEE 1547.1	CSA C22.2 #107.1
Operational Temperature	SB4.3.5.3	5.3	-
Protection From Electromagnetic Interference (EMI) Test	SB4.3.5.8.1	5.8.1	-
Surge Withstand Performance Test	SB4.3.5.8.2	5.8.2	-
Overvoltage Trip	SB4.3.5.4.2	5.4.2	-
Undervoltage Trip	SB4.3.5.4.3	5.4.3	-
Overfrequency Trip	SB4.3.5.5.1	5.5.1	-
Underfrequency Trip	SB4.3.5.5.2	5.5.2	-
Low Voltage Ride-Through	SA9, SB4.3.5.4.4	5.4.4	-
High Voltage Ride-Through	SA9, SB4.3.5.4.7	5.4.7	-
Low Frequency Ride-Through	SA10, SB4.3.5.5.3	5.5.3	-
High Frequency Ride-Through	SA10, SB4.3.5.5.4	5.5.4	-
Rate Of Change Of Frequency	-	5.5.5	-
Anti-Islanding Protection - With Grid Support Functions Enabled	SA8, SB4.3.5.10.2	5.10.2	14.4.3
Test For Voltage Disturbances Within Continuous Operating Region	-	5.4.5	-
Test For Voltage Phase-Angle Change Ride-Though (Variation 1)	SB4.3.5.5.6	5.5.6	-
Enter Service	SA17	5.6	-
Normal Ramp Rate Test	SA11.2	-	-
Soft-Start Ramp Rates	SA11.4	-	-
Limitation Of DC Injection For Inverters	-	5.9	10.5.3

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Test Name	UL1741	IEEE 1547.1	CSA C22.2 #107.1
Open Phase	-	5.11	-
Current Distortion	-	5.12	14.3.3
Limit Active Power	SA18	5.13	-
Constant Power Factor	SA12, SB4.3.5.14.3	5.14.3	-
Voltage-Reactive Power (Volt-Var) Mode Fixed Vref	SA13, SB4.3.5.14.4	5.14.4	-
Voltage-Reactive Power (Volt-Var) Mode (Vref Test)	SB4.3.5.14.5	5.14.5	-
Active Power-Reactive Power Mode (Watt-Var)	SB4.3.5.14.7	5.14.7	-
Constant Reactive Power (Var) Mode	SB4.3.5.14.8	5.14.8	-
Voltage-Active Power (Volt-Watt) Mode	SA15, SB4.3.5.14.9	5.14.9	-
Test For Frequency-Droop (Frequency-Power Or Frequency-Watt) Capability—Above Nominal Frequency	SA14, SB4.3.5.15.2	5.15.2	-
Test For Frequency-Droop (Frequency-Power Or Frequency-Watt) Capability—Below Nominal Frequency	SA14, SB4.3.5.15.3	5.15.3	-
Prioritization Of DER Responses	SB4.3.5.16	5.16	-
Load Rejection Overvoltage (LROV)	SB4.3.5.17.2	5.17.2	-
Persistence Of DER Parameter Settings	-	5.19	-
Nameplate Data Test	-	6.4	-
Monitoring Information Test	SB4.3.6.6	6.6	-
Management Information Test	SB4.3.6.7	6.7	-
Note: For Volt/Var Mode – Priority Tested in Reactive Power			

Test Name	UL9540A	UL9540	UL1973	UL50E
Normal Operations Test	-	30	-	-
Dielectric Voltage-Withstand Test	-	32	-	-
Equipment Grounding and Bonding	-	34	-	-
Insulation Resistance Test	-	35	-	-
Electromagnetic Immunity Tests	-	36	-	-
Wall Mount Fixture/Test	-	40.1	-	-
Enclosure Impact	-	40.2	-	-
Enclosure Steady Force	-	40.3	-	
Outdoor Installations Subject to Moisture Exposure	-	41.2	-	8.3
Unit Level Testing	9	26.2	-	-
Overcharge Test	-	-	15	-
High-Rate Charge	-	-	16	-
Short Circuit Test	-	-	17	
Overload Under Discharge	-	-	18	-
Overdischarge Protection Test	-	-	19	-
Imbalanced Charging Test	-	-	21	-

END

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