

UK & IE Declaration of Conformity

Product	libbi Battery Storage System			
Model/Type	LIBBI-305Sh LIBBI-505Sh	LIBBI-310Sh LIBBI-510Sh	LIBBI-315Sh LIBBI-515Sh	LIBBI-320Sh LIBBI-520Sh
Voltage Options	230Vac \pm 10% @ 50Hz			
	Controller	Inverter	Battery	
Above models consist of the following parts	LIBBI-C110W	LIBBI-HS3680 LIBBI-HS5000	LIBBI-B05h LIBBI-B10h	LIBBI-B15h LIBBI-B20h

	EU Conformity	UK Conformity
This product conforms to the requirements of the base Directive/Regulation:	EU Directive 2014/53/EU - RED	UK SI 2017 No. 1206 - Radio
Additionally the following Directives/Regulations were referenced:	EU Directive 2014/35/EU - LVD	UK SI 2016 No. 1101 - Safety
	EU Directive 2014/30/EU - EMC	UK SI 2016 No. 1091 - EMC
	EU Directive 2014/30/EU - ROHS	UK SI 2012 No. 3032 - ROHS

The following harmonised European and designated UK standards have been applied in the conformity assessment procedure:

Controller	
EN IEC 62368-1:2020 and A11:2020	Audio/video, information and communication technology equipment - Safety requirements
EN IEC 55014-1:2021	Electromagnetic compatibility. Requirements for household appliances - Emissions
EN IEC 55014-2:2021	Electromagnetic compatibility. Requirements for household appliances - Immunity
EN 300 220-2 V3.1.1	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1000 MHz
EN 300 328 V2.2.2	Data transmission equipment operating in the 2.4 GHz band
EN 301 489-1 V2.1.1	Radio equipment and services - Part 1: Common technical requirements
EN 301 489-3 V2.2.3	Radio equipment and services - Part 3: Specific conditions for Short Range Devices (SRD) - operating on frequencies between 9 kHz and 246 GHz.
EN 301 489-17 V3.2.4	Specific conditions for Broadband Data Transmission Systems
BS EN 62311:2020	Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz to 300 GHz)
EN IEC 63000:2018	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances.

Inverter	
EN 62109-1:2010	Safety of power converters for use in photovoltaic power systems - Part 1: General requirements

EN 62109-2:2010	Safety of power converters for use in photovoltaic power systems - Part 2: Particular requirements for inverters
IEC/EN 61000-6-1:2019	Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments
IEC/EN 61000-6-2:2019	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments
IEC/EN 61000-6-3:2021	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments
IEC/EN 61000-6-4:2019	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments
IEC/EN 61000-3-11:2019	Electromagnetic compatibility (EMC) - Part 3-11: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems - Equipment with rated current ≤ 75 A and subject to conditional connection
EN 61000-3-12:2011	Electromagnetic compatibility (EMC) - Part 3-12: Limits - Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current >16 A and ≤ 75 A per phase
EN IEC 63000:2018	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances.
IEC 60529:1989+A1:1999+A2:2013	Degrees of protection provided by enclosures

Additionally, alternative specifications with which conformity is declared:

EN 50549-1	Requirements for generating plants to be connected in parallel with distribution networks - Part 1: Connection to a LV distribution network - Generating plants up to and including Type B
IEC 61727:2004	Photovoltaic (PV) systems - Characteristics of the utility interface
IEC 62116:2014	Utility-interconnected photovoltaic inverters - Test procedure of islanding prevention measures
IEC 61683:1999	Photovoltaic systems - Power conditioners - Procedure for measuring efficiency

Battery	
IEC 62040-1:2017	Uninterruptible power systems (UPS) - Part 1: Safety requirements
IEC 62619:2017	Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries, for use in industrial applications
IEC63056:2020	Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries for use in electrical energy storage systems
IEC/EN 61000-6-1:2019	Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments
IEC/EN 61000-6-2:2019	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments
IEC/EN 61000-6-3:2021	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments
IEC/EN 61000-6-4:2019	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments
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IEC 60529:1989+A1:1999+A2:2013	Degrees of protection provided by enclosures

Additionally, alternative specifications with which conformity is declared:

UN38.3	Certification for Lithium Batteries
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We, myenergi Ltd, declare under our sole responsibility that the above product and model numbers conform with all the technical and regulatory requirements of the directives and regulations listed above.

Signed for and on behalf of: myenergi Ltd



Place of manufacture: Pioneer Business Park, Faraday way, Stallingborough, Grimsby, DN41 8FF, United Kingdom

Date of issue: 27-Feb-2024

Position: Chief Product Officer

Name: Lee Sutton

Signature: *Lee Sutton*
Lee Sutton (Feb 27, 2024 17:08 GMT)