

EU declaration of conformity



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We declare on our sole responsibility that the following product:

BMPU-R2-500-32

meets the intent of directives:

- Low Voltage: 2014/35/UE
- CEM 2014/30/UE
- RoHS: 2011/65/UE
- WEEE: 2012/19/EU

The compliance was demonstrated to the following standards:

Standard	Name	Note
NF EN IEC 61000-6-1	Electromagnetic compatibility (EMC) – Part 6-1: Generic standards – Immunity standard for residential, commercial and light-industrial environments	
NF EN IEC 61000-6-2	Electromagnetic compatibility (EMC) Part 6-2: Generic standards Immunity for industrial environments	
NF EN IEC 61000-6-3	Electromagnetic compatibility (EMC) Part 6-4: Generic standards Emission standard for residential, commercial and light-industrial environments	
NF EN IEC 61000-6-4	Electromagnetic compatibility (EMC) Part 6-4: Generic standards Emission standard for industrial environments	
IEC 61000-3-2	Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)	
IEC 61000-3-3	Electromagnetic compatibility (EMC) – Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection	
IEC 61000-4-11	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase	Criterion B
IEC 61000-4-28	Electromagnetic compatibility (EMC) – Part 4-28: Testing and measurement techniques – Variation of power frequency, immunity test	Criterion A
IEC 61000-4-6:2013	Conducted RF Fields	10Vrms AC line, DC power out, LV power in

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IEC 61000-4-4:2012	Electrical fast transient/burst immunity test AC power line	±2KV
IEC 61000-4-5:2014	Surge immunity test AC power line	±2KV common mode ±1KV differential mode
IEC 61000-4-8:2009	Power frequency magnetic field immunity test	30A/m criterion A
IEC 61000-4-3:2006 /AMD1:2007/AMD2:2010	Radiated, radiofrequency, electromagnetic field immunity test	Industrial Level
IEC 61000-4-2:2008	Electrostatic discharge immunity test	±4KV contact ±8KV air discharges
CISPR 16-2-1:2014/AMD1:2017	Conducted emission AC line	Class B
CISPR 16-2-3:2016	Radiated emission	Class B ¹

The foregoing information relates to product versions V2.4.1 and higher.

Please also note that **BMPU-R2-500-32** is also designed to be compatible with the following standards:

Standard	Name	Note
IEC 61851-1:2019 (ed 3.0)	Electric vehicle conductive charging system Part 1: General requirements	
IEC 61851-23 (ed 1.0)	Electric vehicle conductive charging system Part 23: DC electric vehicle charging station	
IEC 61851-23/AC1 2016	Corrections of IEC 61851-23 ed1.0 (2014)	

Date: 16/05/2023

e-Mobility BU Director
Maël GUILBAUD

Under the supervision of the quality management system

Quality Manager
Mickael GHEUX

¹ with 1 turn ferrite FAIR-RITE 0431177081 on AC input port and 1 turn ferrite Wurth Elektronik 74271222 on CAN communication port and an external filter on LV port. External LV filter proposal: B84112G0000B030 from EPCOS/TDK