

PRODUCTS COVERED BY THIS DECLARATION:

PRODUCT TYPE:	COMPONENT NAMES: (Covers all models/model codes, and configurations)	
Electric Products	Eagle Powertrain Drive Unit	Drive Unit Mounting Hardware
	Eagle Powertrain AXS Bridge Display	Eagle Powertrain Display Cable
	Full-Size Battery 720 Wh	Eagle Powertrain Slide-In Battery Mount
	Compact Battery 630 Wh	Eagle Powertrain C-Shaped Battery Mount
	Eagle Powertrain Range Extender Battery	Eagle Powertrain Range Extender Holder System with Cable
	Eagle Powertrain Charger	Eagle Powertrain Charger Split Cable
	Eagle Powertrain Charge Port	Eagle Powertrain Charge Port Cover
	Eagle Powertrain Speed Sensor	Eagle Powertrain Speed Ring
	Eagle Powertrain Wire Harness	
	Eagle Powertrain Extension Cord	
Electronic Controllers	AXS Pod Controller	
Chain Guard	Eagle Transmission Aeroguard w. 6 Safety Clips	

SRAM LLC hereby declares that the products listed above are in conformity with the essential requirements and other relevant regulations listed below:

STANDARD/DIRECTIVE	HARMONIZED STANDARD / DESCRIPTION	
EU Machinery Directive 2006/42/EC	EN 15194:2017+A1:2023;	Cycles - Electrically power assisted cycles - EPAC Bicycles
	EN 17404:2022	Cycles - Electrically power assisted cycles - EPAC Mountainbikes
	Section 4.2.1	Electric circuit
	Section 4.2.2	Controls and symbols
	Section 4.2.3	Batteries
	Section 4.2.4	Battery Charger
	Section 4.2.5	Electric Cables and Connections
	Section 4.2.6	Wiring
	Section 4.2.7	Power Cables and Conduits
	Section 4.2.8	External and Internal Electrical Connections
	Section 4.2.9	Moisture Resistance
	Section 4.2.11	Maximum Speed Assistance
	Section 4.2.12	Start-Up Assistance
	Section 4.2.13	Power Management
	Section 4.2.14	Maximum Power Measurement
Section 4.2.15	EMC	

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STANDARD/DIRECTIVE	HARMONIZED STANDARD / DESCRIPTION	
EU Machinery Directive 2006/42/EC (cont'd)	Section 4.2.16	Failure Mode
	Section 4.2.17	Anti Tampering
	Section 4.3.14	Chain-wheel and belt-drive protective device
	Section 4.3.22	Performance levels (PLrs) for control system of EPACs
	Section 6	Instruction for Use (partially, as they pertain only to the Powertrain System)
	ANNEX C	Electromagnetic compatibility of EPAC and ESA
	EN 50604-1:2016+A1:2021	Cycles - Electrically power assisted cycles - EPAC Bicycles
	ISO 12100:2010	Safety of machinery - General principles for design - Risk assessment and risk reduction
	ISO 13849-1:2015	Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design
ISO 13849-2:2012	Safety of machinery - Safety-related parts of control systems - Part 2: Validation	
EU Low Voltage Directive 2014/35/EC	EN 60335-1:2012 +A11+A13+A1+A14+A2+A15	Safety of household and similar electrical appliances - Part 1: General requirements
	EN IEC 60335-2-29:2021 +A1	Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers
EU Electromagnetic Compatibility Directive 2014/30/EC	EN 55014-1:2021	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission
	EN 55014-2:2021	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity; Product family standard
	EN 61000-3-2:2019 +A1:2021	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current Degree 16 A per phase)
	EN 61000-3-3:2014 +A2:2022	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
	EN 61000-4-2:2009	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test
	EN 61000-4-4:2012	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test
	EN 61000-4-6:2014	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields

OTHER STANDARDS COVERED BY THIS DECLARATION:

STANDARD/DIRECTIVE	DESCRIPTION
UL 2849	Electrical Systems for eBikes
UL 2271:2018	Standard for Safety for Batteries for Use In Light Electric Vehicle (LEV) Applications
FCC 47REF PART 15	Radio Frequency Devices
ANSI C63.4:2014	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
CSA1071:2021	Power conversion equipment
ICES-003 (Issue 7)	Information Technology Equipment (including Digital Apparatus)
UL 1012:2010	Power Units Other Than Class 2
UN 38.3	Transportation Test for Lithium Batteries

SIGNATORY:**LEO YERMAKOV**

Regulatory Compliance Director

DATE: 2023-10-06**SIGNATORY'S ADDRESS**1000 W. Fulton Market, 4th Floor
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DECLARATION OF INCORPORATION

Declaration of Incorporation for partially completed machinery according to EU Machinery Directive 2006/42/EC

MANUFACTURER

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MANUFACTURING LOCATION

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Trend Energy Technology CO LTD

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AUTHORIZED DOCUMENTATION COMPILER

Matthias Geier, Compliance Engineer

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PRODUCT DESCRIPTION

Product Name	Eagle Powertrain System
Product Type	Powertrain System to be incorporated into an Electrically Power Assisted Cycle (EPAC) or EPAC Mountainbike (EPAC-MTB).
Product Identification	See component descriptions and Model Codes in the table below

COMPONENT NAME	MODEL CODE
EP ETP AXS BRIDGE DISPLAY	EP-ETP-DSP-A1
BT ETP COMPACT BATTERY 630 WH	BT-ETP-A1
BT ETP FULL-SIZE BATTERY 720 WH	BT-ETP-A1
BT ETP RANGE EXTENDER BATTERY 250 WH	BT-ETP-RE-A1
DU ETP DRIVE UNIT VERTICAL 6BOLT	DU-ETP-36V-A1
DU ETP DRIVE UNIT HORIZONTAL 3BOLT	DU-ETP-36V-A1
EC AXS POD	EC-AXS-POD-B1
EC AXS POD ULT	EC-AXS-PODU-C1
EP ETP CHARGER 4A	EP-ETP-CH4-A1
CR T-TYPE AEROGUARD W/ 6 SAFETY CLIPS	CR-TTYP-AG-A1

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The Manufacturer declares that the above specified product “Eagle Powertrain System” is a partly completed machinery according to directive 2006/42/EC and fulfills the following essential health and safety requirements of ANNEX I: 1.1.2, 1.2.1, 1.2.3, 1.2.5, 1.2.6, 1.4.1 (Pertains only to CR-TTYP-AG-A1), 1.4.2 (Pertains only to CR-TTYP-AG-A1), 1.5.1, 1.5.2, 1.5.6, 1.5.7, 1.5.11, 1.5.13, 1.6, 1.7.1, 1.7.1.1, 1.7.2, 1.7.4, 3.3.1, 3.3.2, 3.3.4, 3.3.5, 3.5.1, 3.5.2, 3.5.3

The product is exclusively intended for incorporation into an Electrically Power Assisted Cycle (EPAC) or Electrically Power Assisted Mountainbike (EPAC-MTB).

The Eagle Powertrain System must not be put into service until the final EPAC or EPAC-MTB, into which this system is to be incorporated, has been declared in conformity with the provisions of directive 2006/42/EC by the OE(*).

* The risk reduction for the Eagle Powertrain System specifies that the OE and/or OE assembler must ensure that the EPAC or EPAC-MTB is equipped with a Chain Guard or Chain Guide that protects the dangerous lead-in area of the chain.

The technical files referred to in ANNEX VII Part B have been drawn up and that the authorized person responsible for assembling the technical files undertakes to transmit the files to the national authorities in response to a duly reasoned request.

SIGNATORY:



LEO YERMAKOV

Regulatory Compliance Director

DATE: 2023-10-06

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