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Industrial Parts & Equipment

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/ Electric Power Hub EPH Series

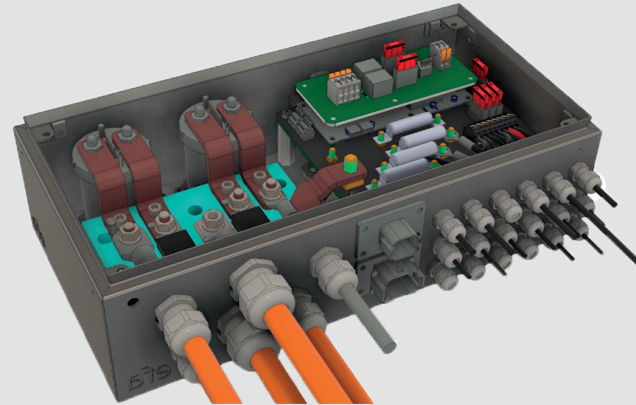
POWER DISTRIBUTION

Low and high voltage standardized power
distribution units for off-road electrification

/Secure and dispatch power

A modular low and high voltage power distribution unit that helps off-road manufacturers moving faster to electric

- The **Electric Power HUB series** connects main components from your electric or hybrid vehicle : batteries, charger, motor controllers, auxiliaries and optionally fast-charging.
- The **integrated control board is option-ready**. Features such as **HVIL, CAN communication, current and voltage sensing** can be added or removed upon request.
- The versatility of the Electric Power HUB series allows customers to select variants including : **precharge and discharge circuits** or the **addition of IMD** that ensures the safety of your applications.



/Ordering information

HUB 2X 48V - 1X 250A

Electric Power **HUB**

Number of **parallel batteries**

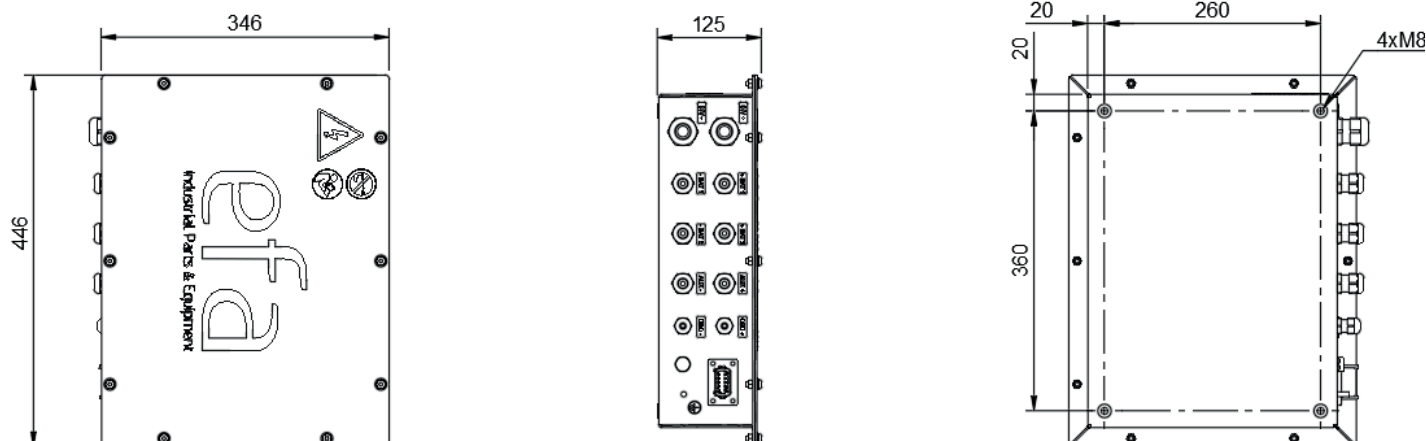
Battery **voltage**

Number of **motor output**

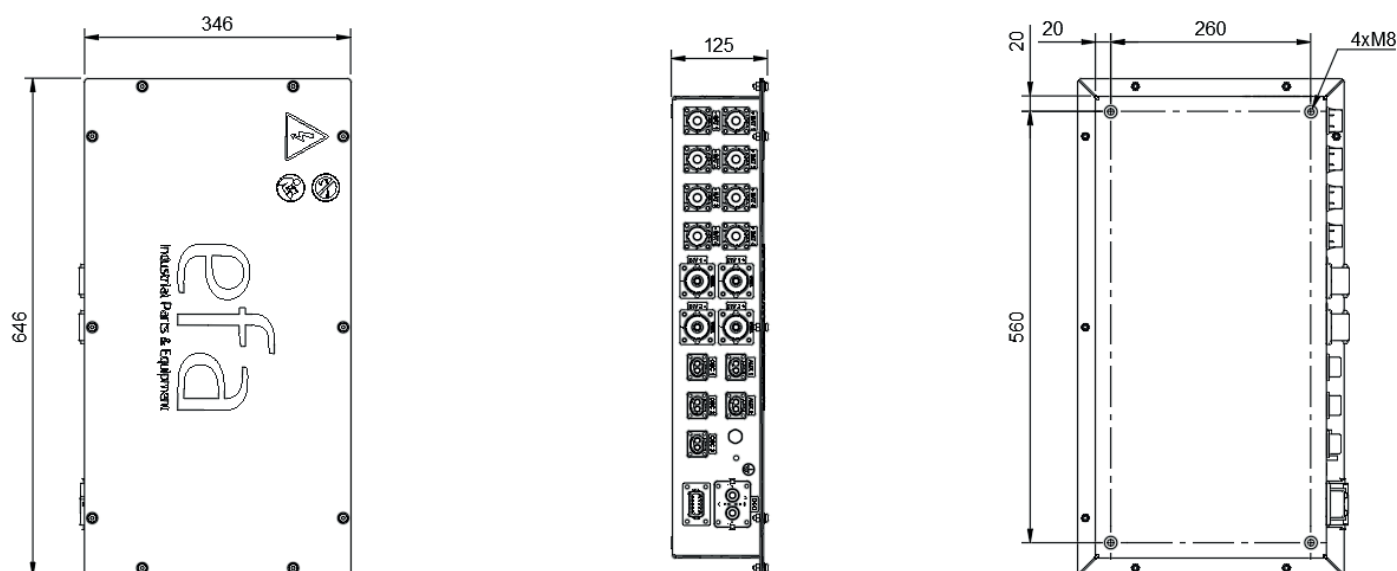
Motor **output current**

/ Mechanical drawings

HUB2X48V-1X250A

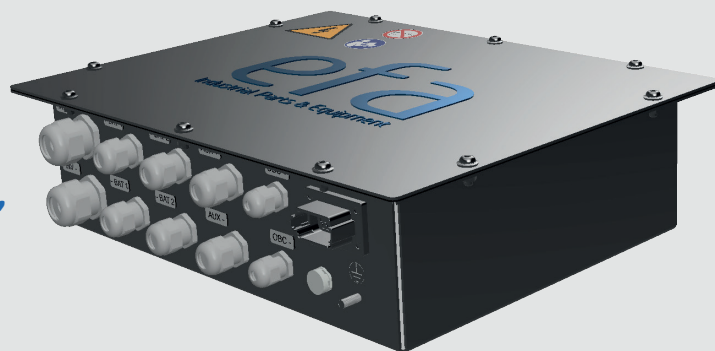


HUB4X400V-2X500A



/ Key features

- From **48V to 800V** battery voltage
- **2 to 4** parallelized batteries input
- Up to **1000A** input peak
- Up to **2000A** output peak
- Available options : **HVIL, CAN bus, current/voltage sensing, precharge/discharge**
- Temperature range : **-20 to +50°C**
- **IP67 or IP69K** upon request
- Robustness level : **IK09**



/Technical specifications

	HUB 2X48V-1X250A	HUB 2X96V-1X250A	HUB 4X96V-2X500A	HUB 4X400V-2X500A	HUB 4X800V-2X500A
Up to	48VDC	96VDC	96VDC	400VDC	800VDC

BATTERY INPUT

// BATTERIES	2	2	4	4	4
CONTINUOUS*	125A	125A	125A	125A	125A
PEAK	250A	250A	250A	250A	250A

CHARGER INPUT

OBC	70A	70A	3 x 70A	3 x 60A	3 x 60A
DC CHARGING	-	-	220A	120A	120A

MOTOR CONTROLLER OUTPUT

CONTINUOUS	1 x 250A	1 x 250A	1 x 500A	2 x 500A	2 x 500A
PEAK	1 x 500A	1 x 500A	2 x 1000A	2 x 1000A	2 x 1000A

AUXILIARIES OUTPUT

@ BATTERY VOLTAGE	70A	70A	3 x 70A	3 x 60A	3 x 60A
LOW VOLTAGE (OPTIONAL)	13.5V - 500W 27V - 500W	13.5V - 500W 27V - 500W	13.5V - 500W 27V - 500W	13.5V - 500W 27V - 500W	13.5V - 500W 27V - 500W

BATTERY INPUT

INSULATION MONITORING & HVIL	OPTIONAL	INCLUDED
PRE & DISCHARGE	OPTIONAL 3mF	OPTIONAL 10mF
COMMUNICATION	OPTIONAL 1 x CAN LAYER 2** 8 x GPIO	
VOLTAGE/CURRENT SENSOR READY	NO	YES

*per battery

**CAN J 1939, CAN Open

