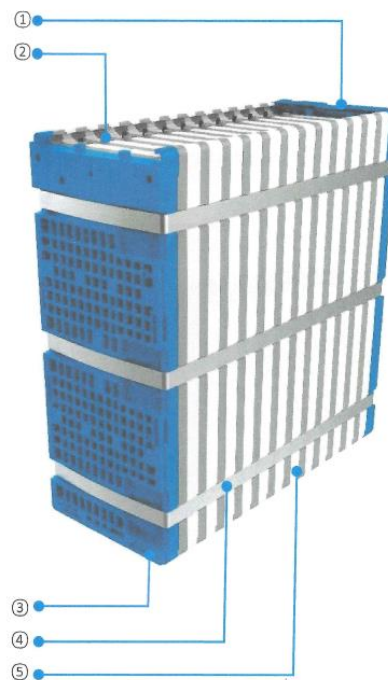


Datasheet Battery pack

Table 1: Technical specification of battery pack in various sizes @ +20°C

Properties	96V	108V	120V	144V	Unit
Rated capacity	0.96	1.08	1.2	1.44	kWh
Nominal voltage	96	108	120	144	VDC
Max. continuous charging power	2.88	3,24	3,6	4,32	kW
Max. continuous discharging power	2.88	3,24	3,6	4,32	kW
Dimensions (LxHxW)	248 x 306 x 127	273 x 306 x 127	293 x 306 x 127	337 x 306 x 127	mm
Dimensions excl. IMU ¹ (LxHxW)	210 x 306 x 127	235 x 306 x 127	255 x 306 x 127	299 x 306 x 127	mm
Weight	24	26	29	34	kg
Protection class (Battery pack excl. IMU and terminals)	IP54	IP54	IP54	IP54	IP
Protection class (Battery pack)	IP2X	IP2X	IP2X	IP2X	IP
Max. battery pack pressure (rel.)	5,5	5,5	5,5	5,5	bar
Battery pack voltage range	80-132	90-149	100-165	120-198	V
Max. allowed battery pack temperature	+58	+58	+58	+58	°C
Max. allowed battery pack relative humidity (without condensation)	90	90	90	90	%
Ambient temperature range	-20 to +50	-20 to +50	-20 to +50	-20 to +50	°C
Pollution degree	2	2	2	2	Class
Overvoltage category	III	III	III	III	Category



Parts of 144V Battery pack excl. IMU

- 1) **Rupture disc (not displayed)**
 This battery pack is fitted with a rupture disc that is activated at a pressure of 6 bar. The rupture disc is located on the rear side of the battery pack. The rupture disc is only activated at abusive conditions.
- 2) **Module voltage terminals**
 Each module provides the IMU with voltage through the module voltage terminals. Also the cables to the terminals of the battery pack are connected to the first and the last module in a battery pack.
- 3) **End pieces (blue)**
 There is one end piece on each side of the battery pack connected to assure the required compression of the battery pack
- 4) **Steel strapping bands (steel grey)**
 The battery pack is bound to together by three steel strapping bands. Their function is both to hold the modules together as well as assuring the right compression for the battery.
- 5) **Module (light and medium grey)**
 The 12V module is the building block for all battery packs. 10 cells are connected in series in a module to create modules with a rated capacity of 10Ah and nominal voltage of 12V

Disclaimer:

No rights can be derived from the information provided on this sheet.

ENERGY STORAGE? IT'S IN OUR DNA!