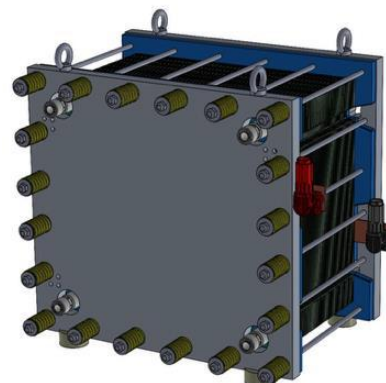


INO-HUB Energy Redox Flow Stack

Preliminary Technical Datasheet



Technical Data	
Type	
Battery Technology	Vanadium Redox Flow Battery
Electrical Data	
Rated charge/discharge DC power	9 kW
Max. charge/discharge DC power	13.5 kW
Voltage range	32V – 64V
Rated Current	159 A
Resistance	30 mΩ
Number of cells	40
Active Area	40480 cm ²
Efficiencies @ 100% constant rated DC power	
Energy Efficiency	80%
Voltage Efficiency	82%
Coulombic Efficiency	97%
Hydraulic Data	
Rated Pressure	1 bar
Max. Pressure	1.5 bar
Typical flow rate per side	30 L/min
Max. flow rate per side	40 L/min
Pipe connection	20 mm
Mechanical Data	
Dimensions (l x b x h)	514 mm x 600 mm x 616 mm
Weight empty/filled	156 kg / xxx
General	
Electrolyte solution	Vanadium Electrolyte (1.6 – 1.7M)
Electrolyte temperature range	0 °C ... + 40 °C
Cycle life	> 20 000