VisFlow

10kW indoor module

visblue
energy in the flow

Technical specifications

POWER AND CAPACITY

Power [kW]		10
Capacity [kWh]		Scalable up to 100
FOR LARGER SYSTEMS MULTIPLE MODULES CAN BE ASSEMBLED		
Peak charge/discharge power	1.1 x nominal power	5 min. on/off
DC efficiency (stack) [%]	87	DC roundtrip includes both charge/discharge efficiency. Depending on load profile
AC efficiency (system) @ nominal power [%]	67	AC roundtrip includes both charge/discharge efficiency. Depending on load profile
DC voltage [V]		40 to 60
AC voltage [VAC]	1 x 230	3 x 400 50Hz
Grid connection [phase(s)]	1	3
Depth of charge/discharge [%]		3 to 80
Response time [ms]		<20
Self-discharge	<0.3% of full capacity per day (pumps stopped)	<100Wh per day for 33kWh systems

REMOTE ACCESS

Communication	Remote access through LAN	Modbus TCP (address list upon request)
Battery control	Charge/discharge is controlled by input from energy meter	Charge/discharge is controlled by input from external master

REMOTE MONITORING

Cloud access		Data accessible from cloud
Webpage	Visualisation of front-end data	Visualisation of back-end data

SIZE AND MASS

Battery size [kW/kWh]	10/40	10/50
Tank size [L]	1000	1250
Footprint [mm] (W x D)		2081 x 1240
Height [mm]	1800	2100
Weight tanks/rack [kg]	2800/450	3300/450
Design life [cycles/years]		20,000/20

ENVIRONMENT

Electrolyte temperature [°C]		0 to +35
Humidity		95% RH non-condensing
Ventilation	Site-dependent	Cooling/heating can be installed
Safety	Non-flammable and non-explosive	Water-based electrolyte

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