

# VisFlow container module



# Technical specifications

## POWER AND CAPACITY

Power [kW]	Scalable up to 40 (in steps of 8)	
Capacity [kWh]	Scalable up to 200	
<b>FOR LARGER SYSTEMS MULTIPLE MODULES CAN BE ASSEMBLED</b>		
Peak charge/discharge power	1.5 x nominal power	30 min. on/off
DC efficiency (stack) [%]	80	DC roundtrip includes both charge/discharge efficiency
AC efficiency (system) @ nominal power [%]	63	AC roundtrip includes both charge/discharge efficiency
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 [%]	10 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

Container size [ft]	20	
Footprint [mm] (W x D)	2440 x 6060	
Height [mm]	2590	
Weight [kg]	17200	
Design life [cycles/years]	20,000/20	

## ENVIRONMENT

Ambient temperature [°C]	-10 to +40	
Humidity	95% RH non-condensing	
Ventilation	Site-dependent	Cooling/heating can be installed
Safety	Non-flammable and non-explosive	Water-based electrolyte