

PowerCube

The PowerCube HV is the first real high voltage battery that comes with a flexible and modular design with no cables inside.

One PowerCube HV contains 4 to 8 battery modules in series connection and reaches up to 51.2 kWh usable capacity.

The parallel connection of up to 5 identical PowerCube HV allows a maximum capacity of 256 kWh.



	PowerCube HV20	PowerCube HV25	PowerCube HV32	PowerCube HV38	PowerCube HV45	PowerCube HV51
Battery module Quantity	3	4	5	6	7	8
Battery module Voltage (V)	64	64	64	64	64	64
Usable Energy [1] (kWh)	19.2	25.6	32	38.4	44.8	51.2
Max Output Power (kW)	19.2	25.6	32	38.4	44.8	51.2
Peak Output Power (kW/5min)	38.4	51.2	64	76.8	89.6	102.4
Round-Trip Efficiency	≥95.3 %					
Nominal Voltage (V)	192	256	320	384	448	512
Cell capacity (AH)	100	100	100	100	100	100
Operating Voltage Range (V)	168-219	224-292	280-365	336-438	392-511	448-584
Communication	RS485 / CAN					
Dimensions (W/D/H) (mm)	710*450*692	710*450*858	710*450*1024	710*450*1192	710*450*1358	710*450*1525
Weight (KG)	187.5	244.3	301.1	357.9	414.7	471.5
Enclosure Protection Rating	IP55					
Design life	10 years					
Operating temperature [2]	- 10°C to +55°C					
Certification & Safety Standard	MSDS / UN38.3					
Scalability	To be announced					
Compatible Inverters	Megarevo and more brands to be announced					
Application	ON Grid / OFF Grid + Backup					

[1] Test conditions: 100% DOD, 0.2C charge & discharge at + 25 °C

[2] -10 °C to 10 °C will be derating