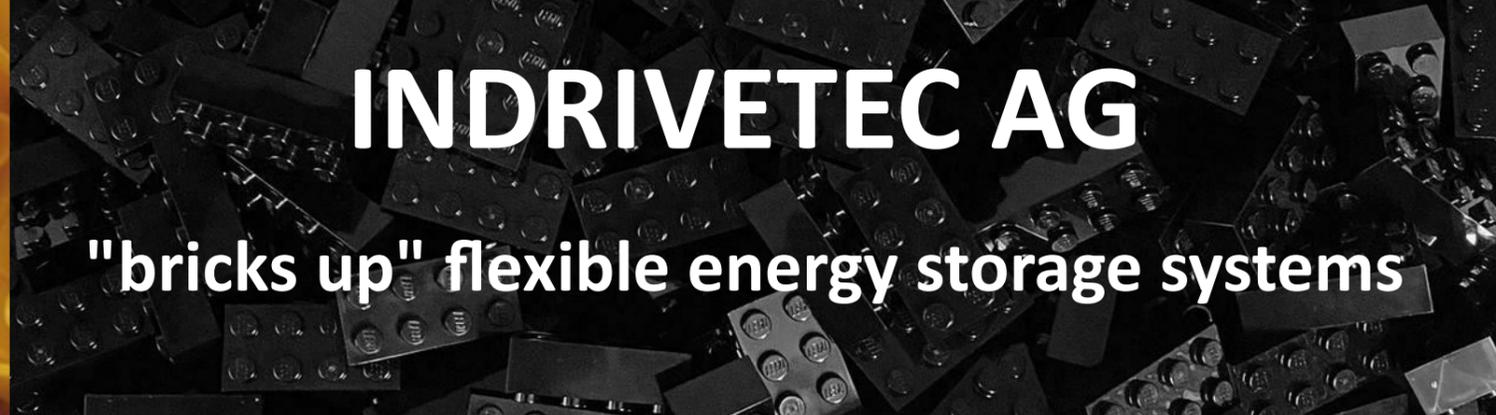




"BRICK"
FlexConvert-PCS



"BRICK"
IDT-EMS



INDRIVETEC AG

"bricks up" flexible energy storage systems

FlexConvert-PCS

AC-Connection	FC500	FC1000	FC2000	FC1440-ML	FC2160-ML	FC2880-ML
Nominal AC Power	500 kW	1000 kW	2000 kW	1300 kW	1950 kW	2600 kW
Rated apparent power	550 kVA	1100 kVA	2200 kVA	1440 kVA	2160 kVA	2880 kVA
Grid Support	ARN 4110, ARN 4120, ARN 4130, other upon request					
Power factor cos (φ)	± 0 - 1.0 (four-quadrant operation)					
PCS voltage	520 V			690 V		
Grid voltage	Low-voltage and medium voltage					
AC operating current	630 A	1260 A	2520 A	1100 A	1650 A	2200 A
Maximal AC current	700 A	1400 A	2800 A	1200 A	1800 A	2400 A
Grid frequency	50 Hz/60 Hz					
Max. efficiency	98.4 %			98.6 %		
DC-Connection						
Renewables	Solar, Wind, Bio-energy, Ground heat					
Max. DC current	650 A	1350 A	2600 A	1400 A	2100 A	2800 A
DC voltage range	835 VDC — 1018 VDC			1113 VDC — 1355 VDC		
Maximum DC voltage	1100 VDC			1500 VDC		
General data						
Cooling	Fully closed cabinet with liquid cooling					
Weight	1300 kg	2100 kg	3300 kg	2900 kg	3500 kg	5800 kg
Humidity	95 % indoor, 100 % outdoor					
Ambient temperature	-20... +45°C (extended range upon request)					
Communication	Modbus, Ethercat, EtherNet/IP, Profinet, other upon request					

Technical data are subject to change, even for reasons on country-specific deviations.
Indrivetec assumes no liability for errors and omissions.

FlexConvert BESS

Battery Energy Storage System for multiple uses in the industrial, commercial and utility sector for operation in highly developed and weak grids

FlexConvert-BESS-Upcycled

THE SWISS ONE



Indrivetec PCS + Indrivetec EMS

Energy Storage Power Conversion System

Energy Management Systems

Engineering in Switzerland

Libattion Upcycled LFP batteries

Green Industrial Energy Storage

Made in Switzerland

INDRIVETEC AG

"bricks up" flexible energy storage systems

FlexConvert BESS-Upcycled

THE SWISS ONE Indrivetec Power Conversion System + Indrivetec Energy Management System + Libattion Upcycled LFP batteries e-Racks

LIBATTION

Repurposing Batteries Into Reliable Energy Storage

Libattion produces industrial energy storage solutions that set a new standard for quality, sustainability, and safety. With our green lithium battery storage & energy management system, you can leverage the power of renewables to mitigate costs and decarbonize your business.

We offer two green battery storage options to suit your needs: Energy Storage System (ESS) Battery Rack with a capacity range of 97 kWh – 60 MWh or our new Container Storage available up to + 60 MWh.



Libattion Upcycled LFP batteries e-Racks V2.0

System Parameter	e-Rack V2.0-18 HV	e-Rack V2.0-24 HV
Cell Chemistry	Lithium Iron Phosphate LiFePo4	
Nominal capacity	105 Ah	
Rated energy	96.77 kWh	129 kWh
Nominal DC-voltage	921.6 VDC	1229 VDC
DC-voltage	835 VDC — 1018 VDC	1113 VDC — 1355 VDC
Battery performance	> 4000 cycles	
Charge / discharge current	up to 1C	
Cells in series	288	384
Chare discharge method	CP	
Communication	Modbus	
Thermal management	active air cooled	
Operating temperature	Discharge: - 35°C...+55°C	
Operating temperature	Charge: 0°C...+55°C	
Dimension (L x W x H)	725 x 800 x 1966 mm	725 x 800 x 2225 mm
Weight	920 kg	1200 kg
Safety and certifications	UN 38.3 / CE	
Conformity of standards	IEC 63056 / UN 62619	

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