



"BRICK"
FlexConvert-PCS-1100



"BRICK"
IDT-EMS



INDRIVETEC AG
"bricks up" flexible energy storage systems

FlexConvert-PCS-1100

AC-Connection	FC320	FC500	FC750	FC1000
Nominal AC Power	220 kW	360 kW	510 kW	720 kW
Rated apparent power	240 kVA	400 kVA	565 kVA	800 kVA
Grid Support	ARN 4110, ARN 4120, ARN 4130			
Power factor cos (φ)	± 0 - 1.0 (four-quadrant operation)			
PCS voltage	330 V			
Grid voltage	Low-voltage and medium voltage			
AC operating current	385 A	630 A	900 A	1260 A
Maximal AC current	420 A	700 A	990 A	1400 A
Grid frequency	50 Hz/60 Hz			
Max. efficiency	98.6 %			
DC-Connection				
Renewables	Solar, Wind, Bio-energy, Ground heat			
Max. DC current	420 A	650 A	1000 A	1350 A
DC voltage range SMC	520 — 700 VDC			
Maximum DC voltage	1100 VDC			
General data				
Dimensions (W x D x H)	800 x 800 x 2000 mm	1400 x 800 x 2000 mm	1200 x 1600 x 2000 mm	2200 x 1600 x 2000 mm
Weight	600 kg	1300 kg	1350 kg	2100 kg
Operation temperature	-20... +45°C (extended range upon SMC-Batteries)			

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-Sodium-Metal-Chloride

the flexible, compact and versatile energy storage system solution including: FlexConvert-PCS-1100 SMC-Battery Container and IDT-EMS



INDRIVETEC AG

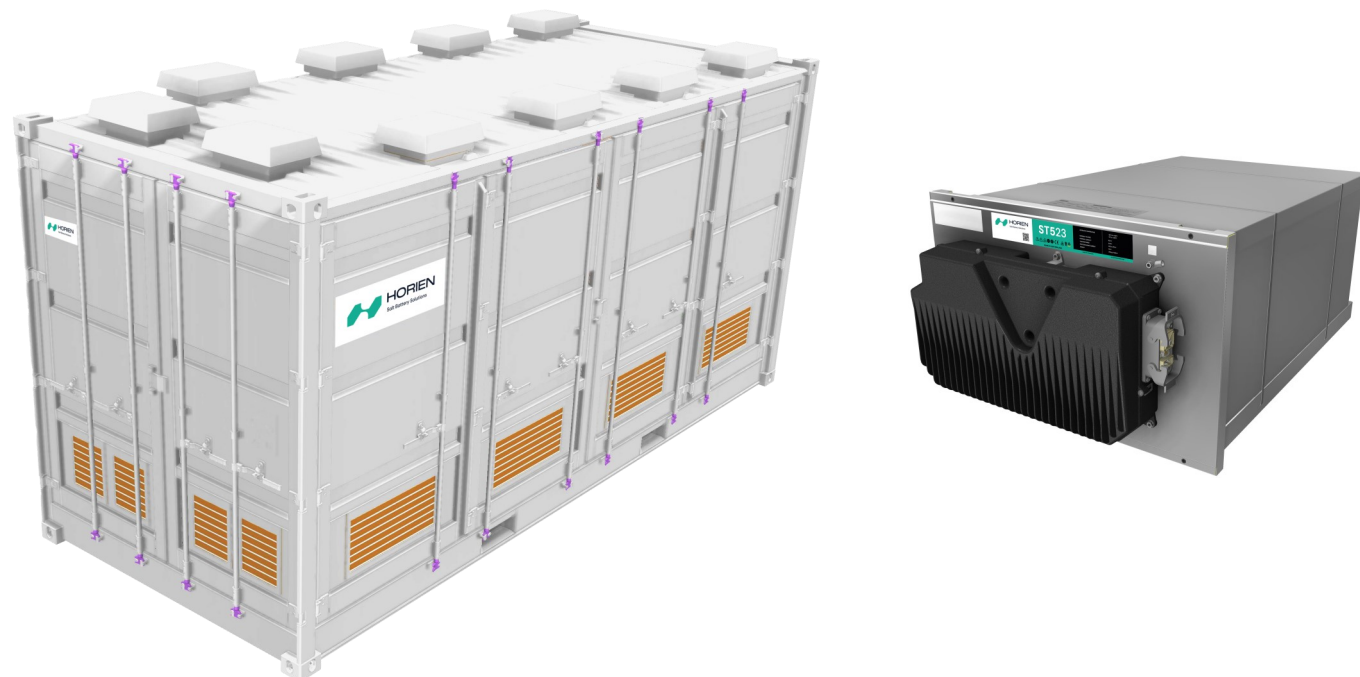
"bricks up" flexible energy storage systems

FlexConvert BESS-Sodium-Metal-Chloride

the flexible, compact and versatile energy storage system solution including: FlexConvert-PCS-1100, SMC-Battery Container and IDT-EMS

Horien Batteries

Horien Sodium Metal Chloride batteries former FZSoNick are the latest generation of the secondary batteries developed specifically to the constraints of the energy storage applications. They use metal-based cathode and molten Sodium anode to provide exceptionally safe and reliable power that is enclosed in the industrial-grade steel case and equipped with integrated Battery Monitoring. Stable chemical reaction, zero maintenance and insensitivity to temperature and storage aging makes them one of the best choices for Community, Industry and Large-Scale installations. Suitable for on-grid and off-grid systems, as well as for microgrids.



FlexConvert-Battery Container

DC-Connection		One container solution	
Cell Chemistry	SMC (Sodium-Metal-Chloride)		
Power	up to 150 kVA	up to 200 kVA	
Rated energy	540 kWh	720 kWh	
Nominal DC-voltage	620 VDC		
DC-voltage	520 — 700 VDC		
Communication	CAN Open between the BMS and the ST523 Gateway		
Battery performance	90% (at 6.25 kW per module Discharge/Charge power; 80% DOD)		
FlexConvert	FC320		
DC-Connection		Multi-container solution	
Cell Chemistry	SMC (Sodium-Metal-Chloride)		
Power	up to 400 kVA	up to 565 kVA	up to 800 kVA
Rated energy	1400 kWh	2160 kWh	2800 kWh
Nominal DC-voltage	620 VDC		
DC-voltage	520 — 700 VDC		
Communication	CAN Open between the BMS and the ST523 Gateway		
Battery performance	90% (at 6.25 kW per module Discharge/Charge power; 80% DOD)		
Battery container	20' high cube	40' high cube	2 x 20' high cube
FlexConvert	FC500	FC750	FC1000

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