

INDRIVETEC AG

"bricks up" flexible energy storage systems

"BRICK" FlexConvert-BESS Battery Racks

System advantages

Lithium iron phosphate batteries (LiFePO₄ or LFP) offer a lots of benefits

Less degradation & long life

No harm to the environment

Compact size & lightweight

High safety & efficiency

FlexConvert-BESS-Battery Rack Indoor

Battery System Parameter	150 kWh Standard Rack Indoor	
Nominal capacity	150 Ah	
C-rate	up to 1C	up to 0.5C
Series and parallel	1P312S	
Battery performance	5600 cycles 93%DoD	7000 cycles 93%DoD
Nominal voltage	998.4 VDC	
Work voltage range	873.6 VDC – 1092 VDC	
Nominal energy	149.76 kWh	
Rated charging current	150 A	75 A
Maximum charge current	160 A	80 A
Rated discharge current	150 A	75 A
Maximum discharge current	160 A	80 A
Rated power Charge	149.76 kW	74.88 kW
Rated power Discharge	149.76 kW	74.88 kW
Operation Temperature Range	25±5 °C Guaranteed cycle life conditions	
Power Consumption	30 W 1 BPU + 1 Rack without fan	
Fan Power	165.9 W	
Dimension D x W x H	835 x 930 x 2057 mm	
Weight	1.6 tons	
Humidity	65%±20%RH	

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



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FlexConvert-BESS-Battery Outdoor



- Battery unit
- High voltage box
- Liquid cooling system
- Fire suppression system
- Protection alarm system
- Power distribution system
- Safety protection systems



Battery System Parameter	279.5 kWh Outdoor	372.7 kWh Outdoor	3440 kWh 20HC CON	5015 kWh 20HC CON
Cell Chemistry	Lithium Iron Phosphate LiFePO4			
Nominal capacity	280 Ah		314 Ah	
Rated energy	279.5 kWh (6 modules)	372.7 kWh (8 modules)	10 x 344.064 kWh	12 x 417.996 kWh
Charge / discharge current	up to 1C		up to 0.5C	
FlexConvert PCS	FC-PCS-1100 Outdoor	FC-PCS-1500 Outdoor		
Battery performance	7300 cycles 100%DoD, 0.5C			
Rated voltage	998.4 VDC	1331.2 VDC	1228.8 VDC	1331.2 VDC
DC voltage range	874 VDC - 1092 VDC	1165 VDC —1477 VDC	1075 VDC —1363 VDC	1165 VDC —1477 VDC
Cells in series	312	416	384	416
Charging discharge method	CP			
General data				
Cabinet dimensions (WxDxH)	1300 x 1360 x 2400 mm		6058 x 2896 x 2438 mm	
Weight	3200 kg	3800 kg	36 tons	43 tons
Ambient temperature	-20... +45°C			
Noise level	< 75 dB(A) at 1 m distance		< 80 dB(A) at 1 m distance	
Max. working altitude	2000 m (higher altitudes available upon request)			
Cooling	Liquid cooling system			
Transportation Safety	UN 38.3 / IEC62619		UN 3536 / IEC62619	
Fire extinguishing system	Aerosol NFPA855 compliant		Gaseous fire suppression NFPA855 compliant	

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