

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 1 C	up to 0.5 C
Series and parallel	1P312S	
Battery performance	4000 cycles 90%DoD	6000 cycles 90%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 Rack	372.7 kWh Outdoor Rack	3440 kWh 20HC CON
Cell Chemistry	Lithium Iron Phosphate LiFePO4		
Nominal capacity	280 Ah		
Rated energy	279.5 kWh (6 modules)	372.7 kWh (8 modules)	10 x 344.064 kWh racks
Charge / discharge current	up to 0.5 C		
FlexConvert PCS	FC-PCS-1100 Outdoor	FC-PCS-1500 Outdoor	
Battery performance	6000 cycles 95%DoD, 0.5C		
Rated voltage	998.4 VDC	1331.2 VDC	1228.8 VDC
DC voltage range	873.6 VDC - 1092 VDC	1164.8 VDC —1476.8 VDC	1075.2 VDC —1363.2 VDC
Cells in series	312	416	384
Charging discharge method	CP		
General data			
Cabinet dimensions (W x D x H)	1300 x 1360 x 2400 mm		6058 x 2896 x 2438 mm
Weight	3200 kg	4000 kg	36 tons
Ambient temperature	-20... +45°C		
Noise level	< 75 dB(A) <i>at 1 m distance</i>		< 80 dB(A) <i>at 1 m distance</i>
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 <i>NFPA855 compliant</i>		NOVEC1230 <i>NFPA855 compliant</i>

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