

INDRIVETEC AG

"bricks up" flexible energy storage systems

INNOVATION "BRICK" FlexConvert-BESS-PPS

Technical data

Output	FC-PCS-580	FC-PCS-1160	FC-PCS-1740	FC-PCS-2320
Rated Power	580 kVA	1160 kVA	1740 kVA	2320 kVA
Rated apparent power	464 kW	928 kW	1392 kW	1856 kW
Maximum current	700 A	1400 A	2100 A	2800 A
Rated voltage	480 V			
Frequency	50 Hz / 60 Hz			
Power factor	0.8			
FlexConvert	FC500	FC1000	FC1500	FC2000
Input				
Rated voltage	480 V			
Frequency	50 Hz / 60 Hz			
Current distortion	< 3 %			
Power factor	0.99			
General data				
Dimensions (D x W x H)	3200x800x2000 mm	4400x800x2000 mm	6000x800x2000 mm	6800x800x2000 mm
Weight	6 tons	8 tons	10 tons	12 tons

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

FlexConvert BESS-PPS corrects all nine IEEE defined power problems

Power Failure



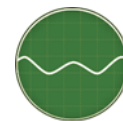
A total loss of utility power

Power Surge



Short-term high voltage (>110% of normal)

Power Sag



Short-term low voltage (a dip in AC power)

Under Voltage



Reduced line voltage for an extended period

Over Voltage



Increased line voltage for an extended period (minutes to days)

Electrical Line Noise



High power frequency wave usually from radio frequency interference

Frequency Variation



Loss of stability in the power's normal frequency (50-60Hz)

Switching Transient



Instantaneous under-voltage in the range of nanoseconds

Harmonic Distortion



Distortion in the normal power wave, generally transmitted by unequal power loads

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INNOVATION "BRICK" FlexConvert-BESS-PPS

FlexConvert-BESS-PPS

Power Protection System (UPS) with integrated ESS

System advantages

Voltage independent, parallel on-line single conversion static UPS with flexible ESS integration

Modular and scalable design for grid voltage and power quality

Voltage control at all times

Parallel operation for Power and Redundancy

No transfer time from or to Bypass

Minimum number of parts in the main power flow

High efficiency on-line mode with voltage control

UPS integrated with SAG compensation features

Load power factor correction

Continuous load harmonic cancellation

