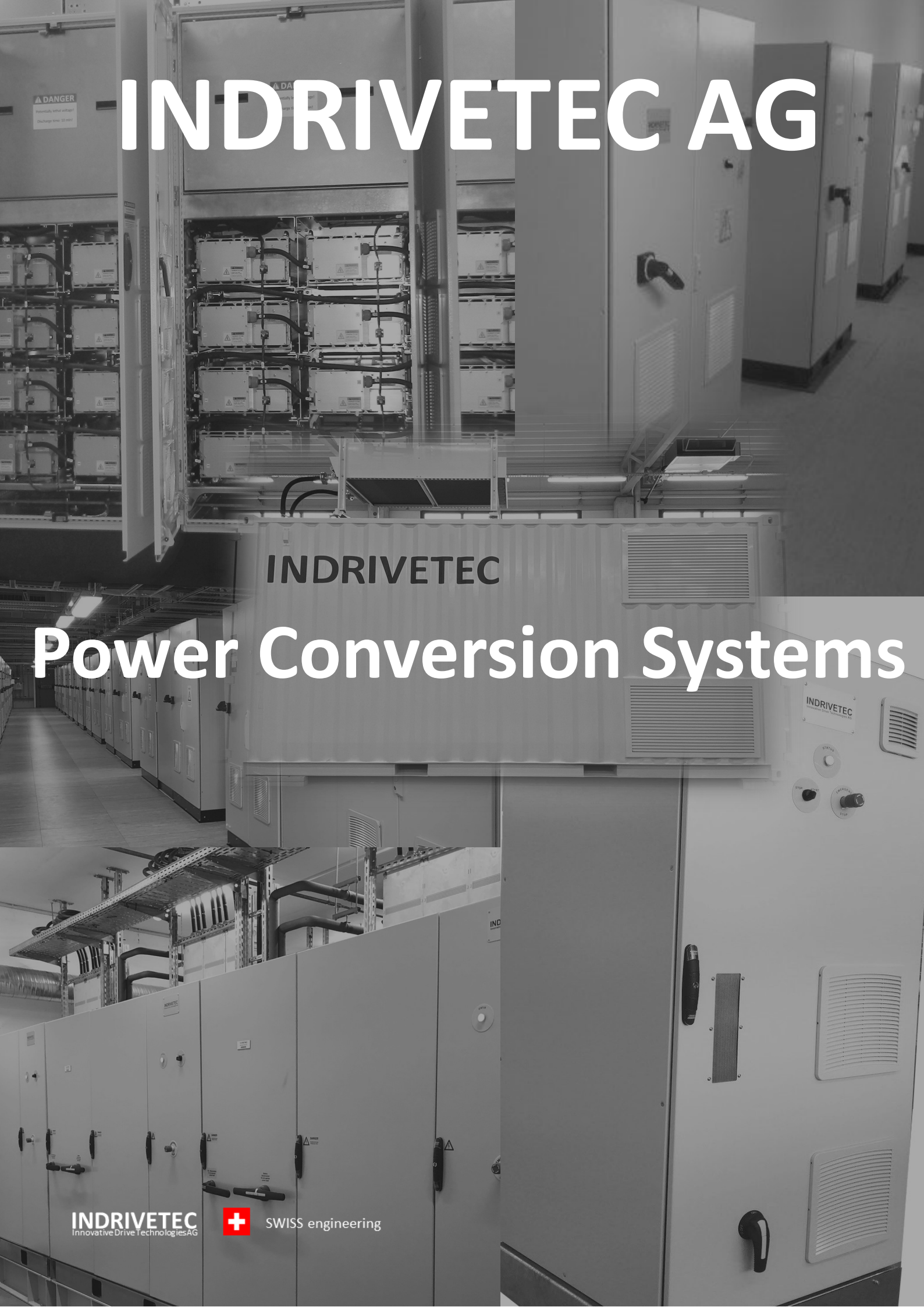




INDRIVETEC AG

INDRIVETEC

Power Conversion Systems

INDRIVETEC
Innovative Drive Technologies AG



SWISS engineering

INDRIVETEC AG

FlexConvert PCS

the flexible and versatile bi-directional power conversion system

Flexible building block

Innovative cooling concept

Reactive power compensation

Grid/Island mode operation

AC-DC Converter	FC50	FC100	FC150
Nominal AC Power	50 kW	100 kW	150 kW
Rated apparent power	70 kVA	140 kVA	210 kVA
Power factor cos (φ)	± 0 - 1.0 (four-quadrant operation)		
AC nominal voltage	400 V		
Minimum AC voltage	270 V		
Maximal AC voltage	550 V		
AC operating current	75 A	150 A	225 A
Maximal AC current	105 A	210 A	315 A
Grid frequency	50 Hz/60 Hz		
Max. efficiency	97.1 %		
DC-DC Converter			
Battery inputs	1	1	1
Max. DC current	150 A	300 A	450 A
DC voltage-range	200 VDC — 900 VDC		
General data			
Dimensions (W/D/H)	600/800/600mm per 50 kW unit		
Weight	190 kg	380 kg	570 kg
Cooling	Air cooled (liquid cooling on request)		
Operation temperature	-25... +50°C (extended range upon request)		

INDRIVETEC AG

FlexConvert PCS

the flexible and versatile power conversion system for energy storage

Fully integrated unit

Innovative cooling concept

VDE-AR-N 4110 certification

Integrated grid services

AC-Connection	FC250	FC320	FC500	FC750
Nominal AC Power	250 kW	320 kW	500 kW	750 kW
Rated apparent power	275 kVA	350 kVA	550 kVA	825 kVA
Fault Ride Through	BDEW	ARN 4110 and BDEW, other upon request		
Power factor cos (φ)	± 0 - 1.0 (four-quadrant operation)			
AC nominal voltage	480 V			
Minimum AC voltage	180 V (see power capability table)			
Maximal AC voltage	550 V (690 VAC; see power capability table)			
AC operating current	300 A	385 A	630 A	900 A
Maximal AC current	330 A	420 A	700 A	990 A
Grid frequency	50 Hz/60 Hz			
Max. efficiency	98.4 %			
DC-Connection				
Battery inputs	1	1	1	1
Max. DC current	350 A	420 A	650 A	1000 A
DC voltage-range	400 VDC — 1100 VDC			
General data				
Dimensions (W/D/H)	800/800/2000 mm		1400/800/2000 mm	1200/800/2000 mm
Weight	520 kg	600 kg	1300 kg	1350 kg
Operation temperature	-25... +50°C (extended range upon request)			

INDRIVETEC AG

FlexConvert PCS

the flexible and versatile power conversion system for energy storage

Fully integrated unit

Innovative cooling concept

VDE-AR-N 4110 certification

Integrated grid services

AC-Connection	FC1000	FC1500	FC2000
Nominal AC Power	1000 kW	1500 kW	2000 kW
Rated apparent power	1100 kVA	1650 kVA	2200kVA
Fault Ride Through	ARN 4110 and BDEW, other upon request		
Power factor cos (φ)	± 0 - 1.0 (four-quadrant operation)		
AC nominal voltage	480 V		
Minimum AC voltage	180 V (see power capability table)		
Maximal AC voltage	550 V (690 VAC; see power capability table)		
AC operating current	1260 A	1890 A	2520 A
Maximal AC current	1400 A	2100 A	2800A
Grid frequency	50 Hz/60 Hz		
Max. efficiency	98.4 %		
DC-Connection			
Battery inputs	1	2	2
Max. DC current	1350 A	1950 A	2600 A
DC voltage-range	400 VDC —1100 VDC		
General data			
Dimensions (W/D/H)	2200/800/2000 mm	3000/800/2000 mm	3600/800/2000 mm
Weight	2100 kg	2800 kg	3300 kg
Operation temperature	-25... +50°C (extended range upon request)		

INDRIVETEC AG

FlexConvert PCS-Outdoor

the flexible and versatile power conversion system for energy storage

Fully integrated unit

Innovative cooling concept

VDE-AR-N 4110 certification

Integrated grid services

AC-Connection	FC1000	FC1500	FC2000
Nominal AC Power	1000 kW	1500 kW	2000 kW
Rated apparent power	1100 kVA	1650 kVA	2200kVA
Fault Ride Through	ARN 4110 and BDEW, other upon request		
Power factor cos (φ)	± 0 - 1.0 (four-quadrant operation)		
AC nominal voltage	480 V		
Minimum AC voltage	180 V (see power capability table)		
Maximal AC voltage	550 V (690 VAC; see power capability table)		
AC operating current	1260 A	1890 A	2520 A
Maximal AC current	1400 A	2100 A	2800A
Grid frequency	50 Hz/60 Hz		
Max. efficiency	98.4 %		
DC-Connection			
Battery inputs	1	2	2
Max. DC current	1350 A	1950 A	2600 A
DC voltage-range	400 VDC —1100 VDC		
General data			
Dimensions (W/D/H)	3000/800/2050 mm	4000/800/2050 mm	4800/800/2050 mm
Weight	2750 kg	3600 kg	4300 kg
Operation temperature	-25... +50°C (extended range upon request)		

INDRIVETEC AG

CONTACT US

Indrivetec AG

Hagenholzstrasse 71

CH-8050 Zurich

Switzerland

Phone +41 44 515 37 00

Email info@indrivetec.com

Email sales@indrivetec.com

www.indrivetec.com