



PRODUCT OVERVIEW 2013

Reliable innovation. Personal solutions.

SUBSTATION SOLUTIONS

PRIMARY DISTRIBUTION

MV Gas Insulated Switchgear

>> CPG.1

Standards	IEC / IEEE-ANSI	
Busbar	Single-Double	
U_r (max)	24 kV [IEC]	36 kV [IEC]
	27 kV [IEEE]	38 kV [IEEE]
I_r (max)	2000 A	
I_k	31.5 kA	



>> CPG.0

Standards	IEC / IEEE-ANSI	
Busbar	Single	
U_r (max)	24 kV [IEC]	36 kV [IEC]
	27 kV [IEEE]	38 kV [IEEE]
I_r (max)	2500 A [IEC]	1250 A [IEC]
	2250 A [IEEE]	1250 A [IEEE]
I_k	25 kA	



>> GAE1250kMAX

Standards	IEC	
Busbar	Single	
U_r (max)	24 kV	
I_r (max)	1250 A	
I_k	25 kA	



Protection & Automation

>> ekorRPG [50-51, 50N-51N]
 >> ekorRPS-TCP (multifunction [50-51, 50N-51N, 50Ns-51Ns, 67, 49, 81, 27, 59N...])



Cable connectors

Standard front connectors up to 2000 A



MV Air Insulated Switchgear

>> AMC

Standards	IEC	
Busbar	Single	
U_r (max)	17.5 kV	
I_r (max)	2500 A	
I_k	31.5 kA	



Apparatus

>> A-CiBOR

Standards	IEC	
U_r (max)	17.5 kV	
I_r (max)	2500 A	
I_k	31.5 kA	



>> NVL-CiBOR

Standards	IEC	
U_r (max)	17.5 kV	24 kV
I_r (max)	2500 A	1250 A
I_k	31.5 kA	25 kA



Mobile Substations

>> ORMACONTAINER

Mobile walk-in type substation



Prefabricated Substations

Turnkey EPCM projects Up to 170 kV



ELECTRICAL UTILITY



Transmission/
Distribution



Generation



ELECTRICAL ENERGY END USERS



Infrastructures



Industry



Tertiary



RENEWABLE ENERGIES



Wind



Solar
Dispatchable
renewables





DISTRIBUTION NETWORK SOLUTIONS

SECONDARY DISTRIBUTION																	
Smart Grids			MV Gas Insulated Switchgear						MV Air insulated Switchgear		Apparatus	Low Voltage Boards					
Energy management Intelligent Node			Type	Modular & Compact (RMU)	Modular	Compact (RMU)	Modular & Compact (RMU)		Type	Modular	MV switches	Type	Low Voltage Board				
Advanced Meter Management Sensing & Analytics Communications - CURRENT family products and solutions (Intelligent data concentrators, sensors, remote management...) - ekorGID Smart distribution management unit - Partial discharge (PD) detection for network diagnosis			PRIME ALLIANCE	U _r (max) [Standard]	36 kV [IEC] 38 kV [IEEE-ANSI] 40.5 kV [IEC]	24 kV [IEC]	24 kV [IEC]	12 kV [SANS] 24 kV [IEC] 27 kV [IEEE-ANSI]	24 kV [HN]	U _r (max.) [Standard]	24 kV [IEC]	12 kV [IEC]	U _r (max.) [Standard]	440 V [IEC]			
			I _r / I _k (max.)	630 A/25 kA	630-1250 A/20 kA	630 A/20 kA	630 A/25 kA	630 A/20 kA	I _r / I _k (max.)	630 A/20 kA	630 A/20 kA	I _r (max.)	1000/1600 A				
			Name	>> CGM.3	>> GAE	>> GA	>> CGMCOSMOS	>> CGMCOSMOS	Name	>> EA	>> KL >> T >> DES	Names	>> CBT >> CBTO				
Protection & Automation																	
Protection		Automation and remote control		Other functions		New!				Distribution Transformers							
Circuit Breaker // ekorRPG [50-51,50N-51N,49T] // ekorRPS (multifunction) Fused cubicle // ekorRPT [50-51,50N-51N,49T] Generator // ekorUPG		Compact remote control & automation unit // ekorUCT Integrated remoted control equipment // CGMCOSMOS-2LPT Programmable Transfer unit: // ekorSTP Feeder monitoring, integrated control and detection unit //ekorRCI		Dispatching center // Scada software Voltage detection // ekorRTK Voltage indicator // ekorVPIS / ekorVDS Acoustic alarm // ekorSAS Phase comparator // ekorSPC Configuration software // ekorSOFT		Other complementary solutions: 		>> CGMCOSMOS Up to 25 kA 		>> CGM.3 Up to 25 kA 		Oil Conventional Oil Non Conventional					
Transformer Substations: IEC 62271-202																	
Concrete Prefabricated TS								Metallic Prefabricated TS	CEADS	Enclosures for Transformer Substations							
Type	Underground	Walk-in	Walk in (PAMI/PUIE)	Kiosk	Compact Kiosk	Rural Kiosk	Rural Kiosk (PRCS / PSS)	Kiosk	Associated	Concrete enclosures for TS	Metallic enclosures for TS	Other Substations					
Standards	IEC	IEC	HN	IEC	IEC	IEC	HN	IEC / HN	IEC	Underground	Walk-in (monoblock)	Switching Nodes					
U _r / Power (max.)	36 kV/630 kVA	36 kV/630 kVA	24 kV/630 kVA	36kV/1000 kVA	36kV/630kVA	36kV/250 kVA	20kV/100-250 kVA	36kV/1000 kVA	36kV/630 kVA	IEC	IEC	Kiosk					
Max. no of transformers	1	1	1	1	1	1	1	1	1	HN	HN	HN					
Names	>> PFS-48 IEC >> miniSUB >> ormaDIS-S	>> PFU-4 IEC	>> CTO	>> ormaSET >> ormaSET-P	>> miniBLOK	>> CTC >> CTR	>> CTC-R >> CTC-RA & RB	>> ormaSET-M	>> MB				>> PF >> PF-P				

