

LOYALTY OFFER | IAEN SERVICE

## Excitation Care

Reduce unplanned downtime by having critical spare parts on-site

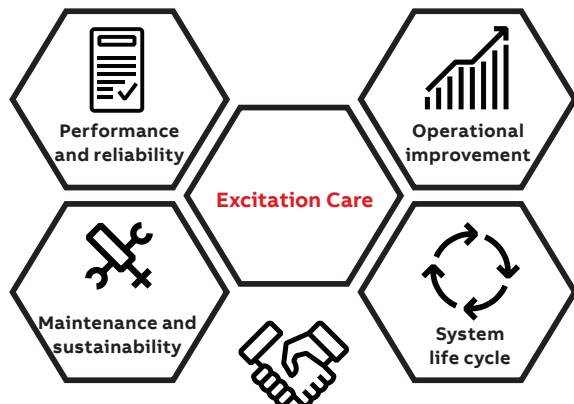


Safe and reliable spare parts and components management is essential for your success. ABB's spare parts service aim to provide customers with the right spare parts at the right place at the right time. ABB provides genuine spare parts and spare part kits, accompanied with the relevant software, settings and documentation.

— Offer valid until December 31, 2019

**ABB offers you 10% discount on select UNITROL® 6000, 5000 and F critical spare parts**  
 Having critical spare parts on-hand can significantly reduce the downtime associated with excitation maintenance, forced outages, electrical and mechanical failures. As a minimum for operational reliability, it is essential to have critical spare parts and components readily available.

Excitation services provides you with a complimentary recommended spare part list and takes care of testing, maintaining and adjusting your spare part stock. We will also keep you informed about critical ageing processes of vital components.



**Excitation Care**  
 Power plants have three service needs in common: emergency support, proactive maintenance and performance optimization. Excitation Care is designed to fulfill these common needs, is part of Power Generation Care and can be seamlessly integrated in these contracts. Excitation Care offers three different levels of support: **Rapid Response, Life Cycle Management and Performance Improvement**. The Excitation Care program provides peace of mind and reassurance to your maintenance team.

- Key features**
- Unlimited phone support 365 days a year with access to ABB product experts
  - On-site troubleshooting dispatch prioritization
  - Proactive maintenance programs (Performance Review)
  - Availability of field labor and spare parts (discounted hourly rates and prices)
  - Access to ABB University training programs (reduced fees)
  - Product Lifecycle management
  - Control upgrade solutions designed to extend the life of the system

## UNITROL® 6000 spare parts included in the offer

Discount valid until December 31, 2019

UNITROL® family	Identification number	Type	Description	System depending settings
UN 6000	3BHE022291R0101	PC D230	CCM Communication Control Measurement UNITROL 6000 X-power	X
UN 6000	3BHE025541R0101	PC D231 B	CCI Converter Control Interface	X
UN 6000	3BHE041343R0102	PC D530 A102	CCM Communication Control Measurement UNITROL 6000 X-power(G2), standard Controller Board	X
UN 6000	3BHE026284R0101	UA D215 A101 15V, 500V	CSI Converter Signal Interface for D5 UN6800 & UNL 13300	
UN 6000	3BHE026284R0102	UA D215 A102 15V, 1000V	CSI Converter Signal Interface for D5 UN6800 & UNL 13300	
UN 6000	3BHE026284R0104	UA D215 A104 30V, 500V	CSI Converter Signal Interface for UNL14300	
UN 6000	3BHE026284R0105	UA D215 A105 30V, 1000V	CSI Converter Signal Interface for UNL14300	
UN 6000	3BHE026284R0106	UA D215 A106 30V, 1500V	CSI Converter Signal Interface for UNL14300	
UN 6000	3BHE051993R0001	Adapter plate UA D215 to UA D209	CSI Adapter plate for UA D209 replacement with UA D215	
UN 6000	3BHE023784R2030	PP D113 B01-20-111000	AC800PEC controller (FPGA Size 10K) 3OM	X
UN 6000	3BHE023784R2330	PP D113 B01-23-111000	AC800PEC controller (FPGA Size 10K) Profibus, 3OM	X
UN 6000	3BHE023784R2630	PP D113 B01-26-111001	AC800PEC controller (FPGA Size 10K) Modbus RTU, 3OM	X
UN 6000	3BHE023784R2530	PP D113 B01-25-111001	AC800PEC controller (FPGA Size 10K) Modbus TCP, 3OM	X
UN 6000	3BHE023126R0020	AF D242 A	CCP Converter Control Panel UNITROL 6000 X-power	
UN 6000	3BHE023126R0010	AF D242 A	SCP Service Control Panel	
UN 6000	3BHE022293R0101	PC D232 A: PEC80-CIO	CIO Combined Input Output	X
UN 6000	3BHE032025R0101	PC D235 A: PEC80-CIO FU	CIO Combined Input Output FPGA (standard)	
UN 6000	3BHE039770R0102	PP D539 A102: PEC3-MINI	PEC800 Mini	X
UN 6000	3BHE022287R0101	UC D240	CCM 6080 Communication Control Measurement - COATED	X
UN 6000	3BHE022886R0101	GV D241	PIN 6080 Power Interface - COATED	
UN 6000	3ADT220090R0006	SDCS-PIN51	Measurement Card PIN51	
UN 6000	3BHB006338R0001	UNS 0881a-P V1	GDI Gate Driver Interface V1	
UN 6000	3BHB006338R0002	UNS 0881a-P V2	GDI Gate Driver Interface V2	
UN 6000	3BHE022455R1101	KS D211 B101	ICU Input Coupling Unit (70V supervision)	
UN 6000	3BHE018297R0001	UNS 0890 A01: SCI U1= 720V	Snubber Control Interface (SCI)	
UN 6000	3BHE018297R0003	UNS 0890 A01: SCI U1= 1500V	Snubber Control Interface (SCI)	
UN 6000	3BHE016542R0003	RH31C-2DK3.3I.1R	Fan Unit 50Hz	
UN 6000	3BHE016542R0005	RH31C-2DK3.3I.3R (ErP2015)	Fan Unit 60Hz	
UN 6000	HIEE305114R0001	UNS 4684a-P,V.1	OVP PCP	
UN 6000	3BHE018893R0001	GDRM 42-133b-2	Single Fan UNL133xx 50/60Hz ErP2013	
UN 6000	3ADT754021P0001	4184 NXM, 24Vdc, 3.5W	D1...3 DC-Fan	
UN 6000	3BHE003088R0004	W1G200-HH77-52, 24Vdc, 55W	D2...4 DC-Fan (used for redundant fan box)	
UN 6000	3BHE003088R0005	W1G250-HH37-52 (24Vdc)	D4 DC-Fan	
UN 6000	3ADT754018P0001	D2E 160-AH02-15, 230V, 550W	D5 AC-Fan	
UN 6000	3ADT754028P0001	W2E250-HL06-10, 230V, 127W	D4 AC-Fan 127W	

## UNITROL® 5000 spare parts included in the offer

Discount valid until December 31, 2019

UNITROL® family	Identification number	Type	Description	System depending settings
UN 5000	3BHE014967R0002	UNS 2880 B-P V2	Control Board	X
UN 5000	3BHE009319R0001	UNS 2881 B-P V1	Measuring unit board	X
UN 5000	3BHE003855R0001	UNS 2882 A-P V1	Extended gate controller	X
UN 5000	3BHB005922R0001	UNS 0880 A-P V1	Converter Interface	X
UN 5000	3BHB005922R0002	UNS 0880 A-P V2	Converter Interface	X
UN 5000	3BHB006338R0001	UNS 0881 A-P V1	Gate driver interface	
UN 5000	3BHB006338R0002	UNS 0881 A-P V2	Gate driver interface	
UN 5000	3BHB006309R0001	UNS 0882 A-P V1	Power Signal Interface	X
UN 5000	3BHB006208R0001	UNS 0883 A-P V1	Fast I/O	X
UN 5000	3BHE004385R0001	UNS 0884 A-P V1	Current Sensor	
UN 5000	3BHB006943R0001	UNS 0885 A-Z V1	Converter Display	
UN 5000	3BHB006943R0002	UNS 0885 A-Z,V2	Converter Display	
UN 5000	3BHE008128R0001	UNS 0887 A-P	Communication Adapter Print	
UN 5000	3BHB002651R0001	UNS 0874 A-P V1	Service Panel	
UN 5000	HIEE300661R0001	UP C090 AE 01	Fieldbus coupler	X
UN 5000	HIEE300910R0001	UF C092 BE01	Digital Input Interface	X
UN 5000	HIEE300690R0001	AR C093 AE 01	Relay Output Interface	X
UN 5000	HIEE200130R0002	AF C094 AE 02	Local Control Panel	X
UN 5000	HIEE300794R0001	UA C096 AE 01	Analog I/ Interface	X
UN 5000	3BHB000644R0001	UP C325 AE 01	Optical Bus Interface	X
UN 5000	HIEE305089R0001	UNC 4674 B V1	Local Bus Interface	X
UN 5000	3BHE009949R0003	UNS 4881 B V3	AVR Unit (COB+MUB) Assembly	X
UN 5000	3BHE009949R0004	UNS 4881 B V4	AVR Unit (COB+MUB+EGC) Assembly	X
UN 5000	HIEE305106R0001	UNS 0017 A-P V1	Firing unit	X
UN 5000	3BHE035495R0010	UNS 0017 A-P V1	Firing Board with 1000V BOD	X
UN 5000	3BHE035495R0012	UNS 0017 A-P V1	Firing Board with 1200V BOD	X
UN 5000	3BHE035495R0014	UNS 0017 A-P V1	Firing Board with 1400V BOD	X
UN 5000	3BHE035495R0016	UNS 0017 A-P V1	Firing Board with 1600V BOD	X
UN 5000	3BHE035495R0018	UNS 0017 A-P V1	Firing Board with 1800V BOD	X
UN 5000	3BHE035495R0020	UNS 0017 A-P V1	Firing Board with 2000V BOD	X
UN 5000	3BHE035495R0022	UNS 0017 A-P V1	Firing Board with 2200V BOD	X
UN 5000	3BHE035495R0024	UNS 0017 A-P V1	Firing Board with 2400V BOD	X
UN 5000	3BHE035495R0026	UNS 0017 A-P V1	Firing Board with 2600V BOD	X
UN 5000	3BHE035495R0028	UNS 0017 A-P V1	Firing Board with 2800V BOD	X
UN 5000	HIEE205010R0003	UNS 3020A-Z,V3	Protection relay	X
UN 5000	3BHE018522R0004	USB-Hardlock ECT	full version (turquoise)	
UN 5000	3BHE033808R5154	ECT	ECT UN5000 Win10, 15", 32GB SQFlash SLC	