

Reference list of modernization works UNITROL 5000/6000 excitation systems based on ABB equipment.

Name of the project, Name of the station	Year of delivery or commissioning	Type of station	Number of systems	Type of UNITROL 6000	Generator Sn (MVA) Un (kV)	Excitation Ifn (A) Ufpl (V)	Manufacturer of generator
Severnaya TPP, Azerbaijan Modernization UNITROL 5000 up to UNITROL 6000	2021	TPP	1	A6S-O/U241-S6000	474,1 MVA	4141 A 344 V	Hitachi
Ulan-Baator TPP-4, Mongolia	2019-2020	TPP	2	A6T-R/U5H1-D3200	147 MVA 10,5 kV	1850 A 315 V	Elsib
Svetlinskaya HPP (Vilyuiskaya HPP-3) UNITROL 5000 commissioning to a new PSS2B setting	2019	HPP	2	A5T-A/U2H1-A1600	126 MVA 13,8 kV	1447 A 271 V	
Troitskaya GRES Modernization UNITROL 5000 up to UNITROL 6000	2018	GRES (SDPP)	1	Q5S-O/U251-S6000	733,3 MVA 21,169 kV	4487 A 460 V	Harbin
Zelenchuksk HSPP	2017	PSPP	2	A6T-B/U5H1-D3200	82,4 MVA 14,5 kV	2445 A 134 V	ElectroTyazhMash
Tyumenskaya TPP-2 Unit #4	2014	TPP	1	A6T-O/U5H1-D3200	258 MVA 15,8 kV	2217 A 900 V	Power machines
Ulan-Baator TPP-4	2014	TPP	1	A6T-R/U5H1-D3200	147 MVA 10,5 kV	1850 A 315 V	
Ust-Ilimsk TPP	2013	TPP	5	A6T-O/D4T1-A600	15MVA и 7,5 MVA	225 A и 251 V	
Akademicheskaya TPP	2013	TPP	1	A6T-R/U5H1-D2000	78,8 MVA 10,5 kV	1133 A 340 V	Elsib

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Nizhnekamsk TPP-2	2013	TPP	2	A6T-R/U5H1-D2000	138 MVA 10,5 kV	1500 A 606 V	Elsib
NizhneTurinsk TPP	2013	TPP	2	A6T-R/U5H1-D2000	78,8 MVA 10,5 kV	1133 A 340 V	Elsib
Surgut GRES-2	2013	TPP	4	A6S-O/U561-S6000	889 MVA 24,0 kV	4235 A 1222 V	Power Machines
Surgut GRES-2 (Auxiliary generator)	2013	TPP	4	A6T-O/D3T1-D400	5,7 MVA 0,9 kV	215 A 188 V	Power Machines
Izhevsk TPP	2012	TPP	1	A6T-O/U5H1-D2000	100 MVA 10,5 kV	1375 A 400 V	Elsib
Kirovsk TPP-4 Units 2 and 4	2012	TPP	1	A6T-O/U5H1-D2000	100 MVA 10,5 kV	1375 A 400 V	Elsib
Kirovsk TPP-4 Unit 3	2012	TPP	1	A6T-O/U5H1-D2000	100 MVA 10,5 kV	1375 A 400 V	Elsib
Novobereznikovsk TPP Unit 1	2012	TPP	1	A6T-O/U5H1-D2000	62,5 MVA 10,5 kV	1452 A 270 V	Elsib
Novobereznikovsk TPP Unit 2	2012	TPP	1	A6T-O/U5H1-D2000	62,5 MVA 10,5 kV	1452 A 270 V	Elsib
Novobogoslovskaya TPP (later were moved to Kazan TPP-2)	2012	TPP	1	A6T-O/U5H1-D2000	100,0 MVA 10,5 kV	1375 A 400 V	Elsib
Novocheboksarskaya TPP	2012	TPP	1	A6T-O/U5H1-D2000	138 MVA 10,5 kV	1916 A 586 V	Elsib
Novokuybishevskaya TPP	2012	TPP	1	A6T-O/U5H1-D2000	56,3 MVA 10,5 kV	1342 A 250 V	Elsib
Vladimirska TPP	2012	TPP	1	A6T-O/U5H1-D2000	100 MVA 10,5 kV	1375 A 400 V	Elsib
Chebokdarskaya HPP	2011	HPP	18	A6T-O/U5H1-D3200	91,8 MVA 13,8 kV	1500 A 875 V	Elsib
Boguchanskaya HPP	2010 - 2012	HPP	9	A6S-B/U531-D3200	370 MVA 15,8 kV	2403 A 1425 V	Power Machines