

## Substation

Power Generation Technology (PGT) is a one of the leading enterprise in our country for manufacturing various types of Distribution & Auto transformer for all over Bangladesh. Aspire is manufacturing Low loss, high quality & high efficient transformer. PGT has made name for itself by in flinching faith in quality and technology upgradation, PGT has built up a reputation for quality, efficiency, cost effective, competitive in all areas. Our available product range is Single phase 1kVA to 75kVA and three phases 50kVA to 1600kVA.

Rated Power KVA	No Load Loss (Watt)	Load Loss at 75°C(%)	Imped volt at 75°C(%)	Regulation at p.f=1	Regulation at p.f=0.8	Efficiency at p.f=1			Efficiency at p.f=0.8		
						At Load 100%	At Load 75%	At Load 50%	At Load 100%	At Load 75%	At Load 50%
50	200	954	4.53	1.94	4.15	97.74	98.20	98.46	97.19	97.76	98.10
100	335	1575	4.75	1.68	3.98	98.09	98.27	98.54	97.61	97.97	98.18
150	540	2050	4.75	1.50	3.88	98.30	98.52	98.62	97.89	98.15	98.28
200	560	2500	4.75	1.36	3.79	98.47	98.69	98.82	98.09	98.36	98.52
250	670	2960	4.75	1.29	3.75	98.55	98.75	98.87	98.19	98.44	98.59
315	785	3540	4.75	1.23	3.71	98.63	98.82	98.94	98.28	98.53	98.67
400	950	4230	4.75	1.16	3.67	98.71	98.89	99.00	98.38	98.61	98.75
500	1120	4970	4.75	1.10	3.63	98.78	98.96	99.06	98.48	98.69	98.82
630	1330	5980	6	1.06	3.60	98.84	99.01	99.10	98.55	98.76	98.88
750	1400	6710	6	0.94	4.3	98.93	99.09	99.19	98.67	98.87	98.99
800	1430	7730	6	1.14	4.41	98.85	99.04	99.16	98.57	98.80	98.95
1000	1730	9780	6	1.15	4.21	98.85	99.04	99.17	99.56	99.80	98.96
1250	2140	1225	6	1.16	4.43	98.85	99.03	99.17	98.56	98.79	98.94
1600	2650	15850	6	1.16	4.45	98.85	99.04	99.18	98.60	98.80	98.97



Transformer

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PGT boasts of modern design and production technique supported by computer aided design and required software. Local and foreign latest technology and experienced consultants and experts are continuously placing their contributions behind the development of quality production.

PGT ensure quality test facility as to IEC-76, VDE 0537; ANSI C 57.12 and BS 171 and every transformer are dispatched from the factory after being tested properly and passing quality requirements.



HT Switchgear (VCB)

## Indoor Vacuum Circuit Breaker, Up to 33 kV

This protective equipment is used up to 33 kV sub-station. The Vacuum circuit Breaker (VCB) mechanism is available for 630A, 1250A, 1600A, 2000A. Applicable standard is IEC 60056, Normal Voltage 11kV & 33 kV, Rated Voltage 12 kV & 36 kV, Frequency 50 Hz. Breaking capacity 20kA/25kA, 31.5kA for 11kV & 25kA for 33kV system.

ABB

legrand

Schneider  
Electric

SIEMENS