

KTII UNITIZED TRANSFORMER SUBSTATIONS OF TERMINAL TYPE (KTIII) AND OF DOUBLE-ENDED TYPE (KTIIII) rating 63-400 kV·A, with a voltage 6(10)kV

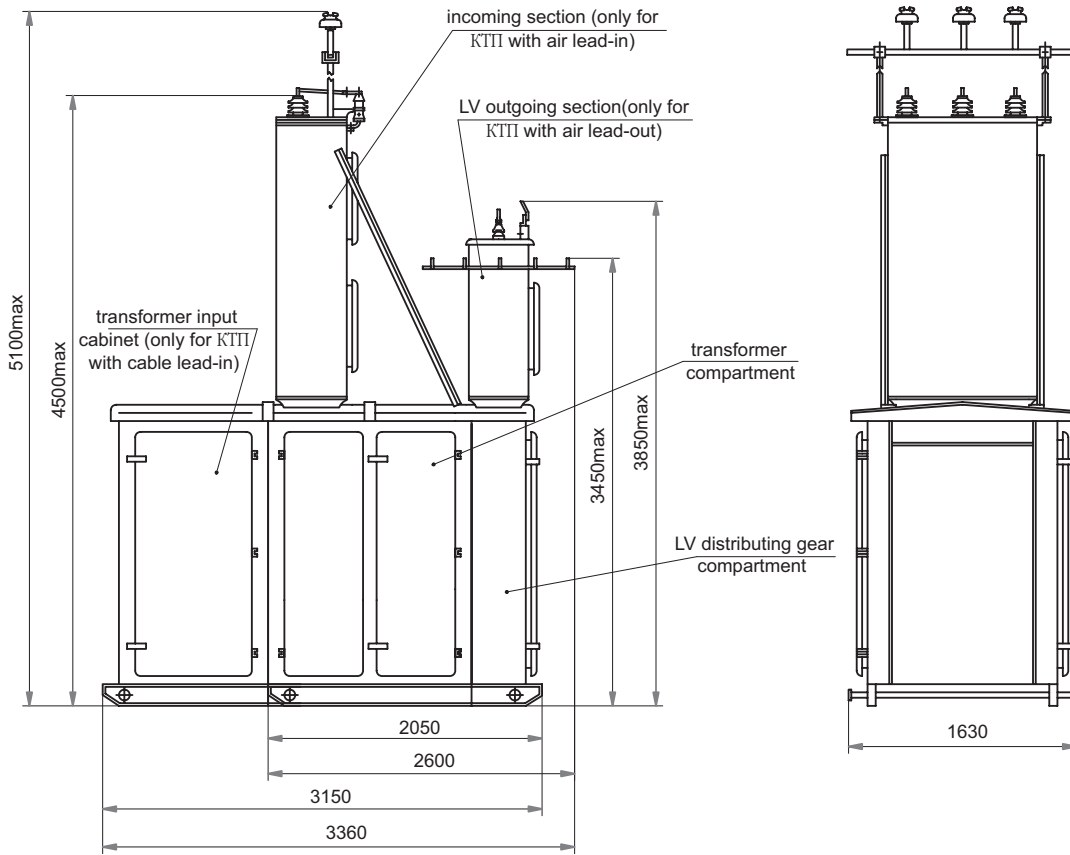
Unitized transformer substations are one-transformer substations for outdoor installation and are intended to receive electric energy – three-phase, 50 Hz a.c. of 6 or 10 kV, to convert it into 0.4 kV for energy supply in moderate climatic conditions (from -45° C to +40° C). KTII substations can be equipped with air (overhead) or cable input/output leads in various combinations. When air lead-in is used, KTII is connected to transmission line through disconnecting switch (included into KTII delivery set) which is mounted on the transmission line nearest tower.

KTII outgoing lines are fitted with stationary automatic circuit-breakers. High-voltage fuse cartridges are located inside KTII cabinet. KTII has function of active power consumption metering. KTII is equipped with electrical and mechanical interlocking ensuring safety of attending personnel. KTII has exterior lighting feeder with automatic ON/OFF function. To maintain normal operation conditions for low-voltage gear, circuit design provides heating function

Parameter denomination		Parameter value									
Transformer type		TMΓ									
Transformer rated power, kV·A		63	100	160	250	400					
Transformer connection/vector group		Yyn-0								Yyn-0 Dyn-11	
HV rating, kV		6	10	6	10	6	10	6	10	6	10
HV fuse rated current, A		16.0	10.0	20.0	16.0	31.5	20.0	50.0	31.5	80	50
LV rating, kV		0.4									
Rated current of outgoing lines, A	No 1	25	40	80	100						
	No 2	25	40	80	100	160					
	No 3	63	100	160	200						
	No 4	40	80	100	160	200					
	No 5	40									
	No 6	63									
	Street lighting	16, 25									

Make type	Mass, transformer included, kg
with cable lead-in	3350
with air lead-in	2850

Terminal type unitized transformer substations, rating 63-400 kV·A, with air (cable) HV lead-in and air/cable LV lead-out



Double-ended type unitized transformer substations, rating 63-400 kV·A, with air (cable) HV lead-in and air/cable LV lead-out

