

POLE-MOUNTED TRANSFORMER SUBSTATIONS OF MTII TYPE

rating 25-100 kV·A, with a voltage 6 (10) kV

Pole-mounted transformer substations of MTII type are one-transformer substations for outdoor installation intended to receive electric energy – three-phase, 50 Hz a.c. of 6 or 10 kV, to convert it into 0.4 kV for power supply of agricultural users, as well as separate populated localities, small industrial units, under moderate climatic conditions (from -45°C to +45°C).

MTII is connected to transmission line through disconnecting switch which is mounted on the transmission line nearest tower. LV distributing gear cabinet and HV equipment are arranged according to type design plans. Delivery set of MTII includes disconnecting switches, power transformer, high-voltage arresters and safety devices.

Transformer rated power, kV·A		25	40	63	100
HV side rated voltage, kV		6 (10)			
LV side rated voltage, kV		0.4			
Rated current of outgoing lines, A	No 1	31.5		40	
	No 2	31.5	63		100
	No 3	-		40	80
	Street lighting	16			
Transformer connection/vector group		Yyn-0			

Number of outgoing lines and current thereof may be selected as per customer's will.

