

YIHUA ST/STC Series

Single-phase/Three-phase-harmonic A.C Synchronous Generators

CE ISO9001



ST/STC Series single&three-phase a.c. synchronous generators are mainly designed to serve as power generating unit for lighting purpose in villages, towns, and house-hold electric appliances or standby power. The construction of the generators are salient-pole rotating field, Self excitation with third-harmonic. The generator interior is made of high quality magnetic and electrical materials, and easy to maintenance. The characteristic of generators see as the followings:

1. Insulation is class B or F, drip-proof type is IP21.
2. Tight in construction for casting frame; If our customers ask for steel construction, we can meet.
3. The steady voltage regulation of generators are good in 5% speed variation, load from no-load to full-load and power factor from 0.8 to 1.0.

Technical Data

Model	Rated Output (kW)	Rated Current (A)		Rated Voltage (V)		Power Factor (cos φ)	Rated Speed (r/min)
		Series connection	Parallel connection	Series connection	Parallel connection		
ST-2	2	8.7	17.4	230	115	1.0	1500
ST-3	3	13	2				
ST-5	5	21.7	43.5				
ST-7.5	7.5	32.6	65.2				
ST-10	10	43.5	87				
ST-12	12	52.2	104.4				
ST-15	15	65.2	130.4				
ST-20	20	87	174				

Model	Rated Output (kW)	Rated Capacity (kVA)	Rated Current (A)	Power Factor (cos φ)	Rated Speed (r/min)
STC-3	3	3.8	5.4	0.8	1500
STC-5	5	6.3	9		
STC-7.5	7.5	9.4	13.5		
STC-10	10	12.5	18.1		
STC-12	12	15	21.7		
STC-15	15	18.8	27.1		
STC-20	20	25	36.1		
STC-24	24	30	43.4		
STC-30	30	37.5	54.1		
STC-40	40	50	72.2		
STC-50	50	62.5	90.2		