



# SD/SDC 系列发电、电焊两用发电机

## SINGLE-PHASE OR THREE-PHASE WELDING & GENERATING DUAL-USE ALTERNATOR



SD/SDC 系列发电、电焊两用机同时具备发电和电焊两种功能,可与柴油机配套成发电电焊发电机组,既能作为移动的供电设备,同时也可作为固定电站使用,适用于城镇、乡村、小型船舶、车间等处的照明或动力电源以及电焊等。此系列发电机既可照明、电焊单独使用,也可以照明、电焊二者同时使用。

SD/SDC series generating and welding dual-use sets are to be used in town, countryside, worksites, mountain and pasture as electric power source for lighting purpose. It can also be used as reserved power source for emergent case using. The generators are of dripproof with rotary field type and adopt harmonic excitation system, easy operation and maintenance.

The generators are three-phase, four-wire type, adopting star connection with neutral point. The rated line voltage is 400V, phase voltage 230V, frequency 50Hz, power factor 0.8(lag). We can provide 60Hz and the other voltage's generator according to the customer's request. They can be coupled with a prime mover directly or through v-belt making right or reverse continuous rotation at the rated speed. When the rotation speed of prime mover change 3% or so and load varies in the range of 0~100%, cos 0.8~1.0, the generators offer constant voltage; when sudden change (increase or decrease) of load, the generator will soon return to their normal working state, at the same time, without any starting device, the generator can directly start an unloaded squirrel cage induction motor.

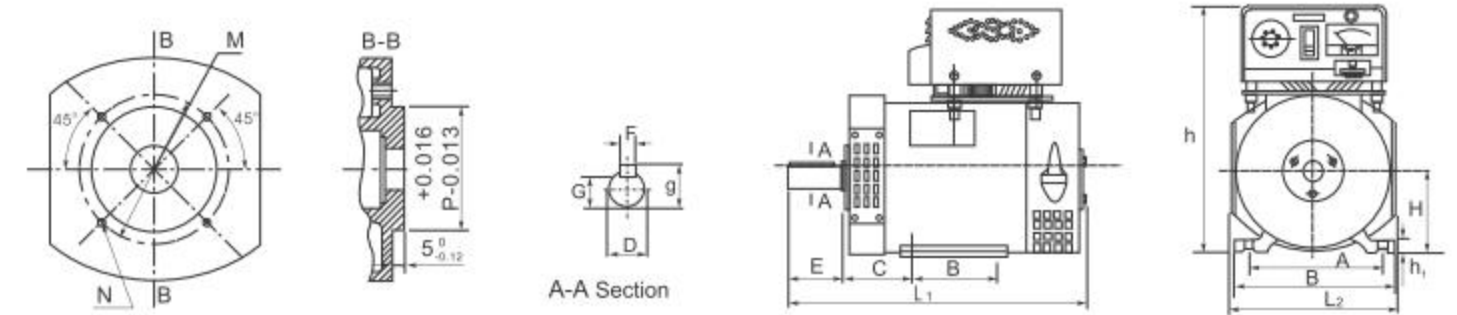
And this series alternators will be the best to be driven by an internal combustion engine. They can be used as mobile or stable power supply unit which is suitable for using in towns, countrysides, boats, workshop for lighting or welding purpose. This series alternators can serve as lighting or as welding individually, further more, they can serve both as welding and as illumination simultaneously.



### 技术数据 SPECIFICATION

型号 Model	功率 Rated power		额定电压 Rated voltage (V)	额定电流 Rated current (A)	电焊空载电压 Welding voltage under no load(V)	焊接电流 Welding current (A)	暂载率 Continuous rate under load(%)	电焊电流调节范围 Current adjustment range for welding(A)
	KW	KVA						
单相 Single-phase 230V 50Hz/1500r/min CosΦ=1.0								
SD-5	5	5	230	21.7	<80	160	40	70-200
SD-8	8	8	230	32.6	<80	200	40	80-240
SD-10	10	10	230	43.5	<80	230	40	100-300
SD-12	12	12	230	52.2	<80	300	40	140-320

三相 Three-phase 400V 50Hz/1500r/min CosΦ=0.8								
SDC-5	5	6.3	400	9	<80	140	40	60-160
SDC-8	8	10	400	13.5	<80	180	40	70-200
SDC-10	10	12.5	400	18.1	<80	225	40	80-280
SDC-12	12	15	400	21.7	<80	280	40	100-300



### 外形及安装尺寸 INSTALLATION AND OVERALL DIMENSION

型号 Model	安装尺寸 Installing dimensions												外形尺寸 External dimensions						净重 Weight (kg)	
	A	B	C	D	E	F	G	H	K	M	N	P	a	b	h1	h	L1	L2		g
SD-5	254	254	108	32	80	10	33	160	15	-	-	-	50	310	25	440	580	325	40.8	120
SD-8	254	254	108	38	80	10	33	180	15	-	-	-	50	339	25	440	580	325	40.8	130
SD-10	279	203	121	42	110	12	37	180	15	265	4-M12	230	50	339	25	490	610	365	44.8	140
SD-12	279	203	121	42	110	12	37	180	15	265	4-M12	230	50	339	25	490	610	365	44.8	155
SDC-5	254	254	108	38	80	10	33	180	15	-	-	-	50	339	25	440	580	325	40.8	130
SDC-8	279	203	121	42	110	12	37	180	15	265	4-M12	230	50	339	25	490	610	365	44.8	140
SDC-10	279	203	121	42	110	12	37	180	15	265	4-M12	230	50	339	25	490	610	365	44.8	155
SDC-12	318	228	133	48	110	12	42.5	200	19	300	4-M16	250	60	378	30	540	660	400	51.2	192