

## User Manual of SST Soft Starter



Zhejiang Saikong Electrical Technology Co., Ltd

## Warning message



The product should be operated by qualified electricians as per safety specifications, including installation, pilot run and maintenance, etc;
The voltage used by the product is dangerous, which may cause serious injury or death of others. Prohibit touching terminal after electrifying the device or during operation. Although the device is switched off, voltage may still exist in output terminal;

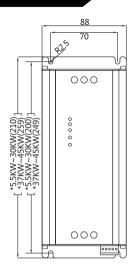
The product should be used under rated specification of product. Before use, please check the accuracy of various parameters such as power, motor and frequency of product or device.

The product has passed insulation test before leaving factory. Incorrect megger test may damage product or shorten product life.

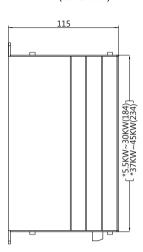
## Electrical parameters

Standard	GB 14048.6-2008/IEC 60947-4-2 : 2002		
Rated operational voltage	200~415V(-15%+10%)		
Max. length between soft starter and cable	300m		
Permissible ambient environment	Operation	-25°C~+60°C (consider reducing capacity if > 40°C)	
	Storage	-40°C~+70°C	
Protection grade	IP20		
Rated power	50/60Hz		
Permissible installation height	5000m (start to reduce capacity for above 1000m)		
Starting frequency	≤20 times/hour (Class10 standard load)		

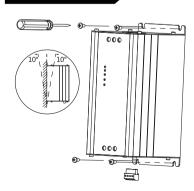
# Product dimensions

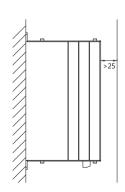


(Unit: mm)

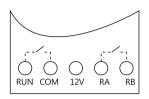


# Installation sketch





# Terminal description





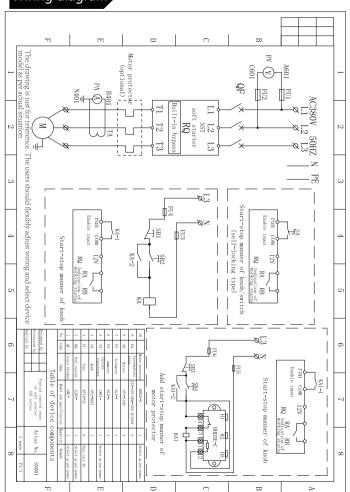
Terminal marking of major loop	Terminal name	Function description
L1、L2、L3	Mains input of major loop	Connect three-phase source
T1、T2、T3	Output connection of soft start	Connect three-phase motor

Terminal marking of control loop	Terminal name	Function description
RUN	Enable input	When closing run and com, start to operate When breaking run and com, motor slows down and halts
СОМ	Common port	run and common port at 12V
12V	Power terminal	Interior power output terminal at 12V, 300mA at maximum, prohibit overload
RA、RB	Indication of working status	Working status: relay output, normally open contact, close during operation, break if stall or fault, relay capacity 250V/AC 0.3A

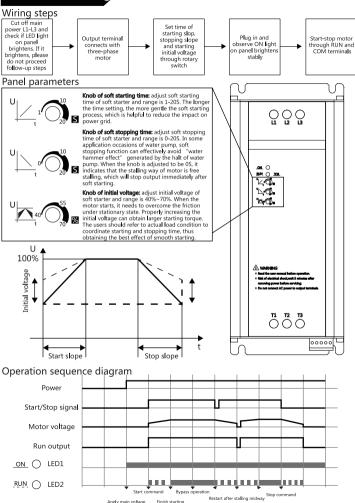
# Power diagram

Model	230V/KW	400V/KW	Rated current A
SST-5R5	3	5.5	13
SST-7R5	4	7.5	17
SST-11	5.5	11	25
SST-15	7.5	15	32
SST-18	7.5	18.5	37
SST-22	11	22	45
SST-30	15	30	60
SST-37	18.5	37	75
SST-45	22	45	90

## Wiring diagram



### Parameter setting



Apply main voltage





### Related information

User name	Phone number
Address	
Product model	Serial No.
Purchasing way	Purchasing time
Maintenance site	Invoice No.

#### Terms of no maintenance, return & exchange

Within warranty period, the situations caused by below reasons are beyond warranty scope:

- (1)Product fault caused by users of violating the operation in User Manual;
- (2) Product damage during transportation or caused by external forces;
- (3)Product fault caused by users of repairing or remolding product arbitrarily without communication with manufacturer;
- (4)Product fault caused by users of using product beyond standard application range;
- (5)Product fault caused by users under poor service environment;
- (6)Product damage caused by force majeure factors such as earthquake, fire, lightning stroke, abnormal voltage or other natural disasters, etc;
- (7)Product marking such as nameplate, trademark and serial number are damaged or unidentified

Please keep product packaging after receiving the product in case of being required for return and exchange.

Please hand the user manual to final users to reserve properly

Version No.: V02



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