

# **SBW-S SERIES** Intelligent power stabilizer

Number control technology

Large capacity

High efficiency

Support remote communication



Comply with IEC/GBT standards

Provide your house energy storage solution

Whole solutions for design, assembly, test...

Accountable solution for safety and reliability

Wide range offering, easy business and ready to use out of the box

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Zhejiang Rockwill Energy Technology Co., Ltd. is a technology enterprise specializing in providing complete solutions for power automation system and related automation system supporting equipment.

The company has a long-term strategic cooperation with internationally renowned middle and high voltage electrical equipment R & D and manufacturing companies and research institutes, and has jointly developed a series of high-quality automation products,. The company has also married with the provincial intelligent high-voltage switch laboratory to jointly develop a new generation of intelligent synchronous switch measurement and control devices, electronic transformers, voltage sensor processing units, etc., and has achieved some fruitful technical achievements and accumulated a large number of industry professional and technical elites with excellent experience. Solid talent base, advanced production equipment, perfect quality system, strict testing means, is a strong guarantee for the company's product quality alone.

In addition to providing a rich choice of products, we can provide you with technical solution support services, you only need to tell us your needs, our technical staff will be tailored for you to design a complete set of product solutions

The company is renowned at home and abroad for providing high-quality products and services. In addition to the domestic market, the products are currently exported to South America, Central Asia, the Middle East, Central Europe, Southeast Asia, Africa and other places. We always adhere to the belief of growing together with customers, and strive to provide safer, more reliable, more advanced and more humane automation system solutions and equipment.

ROCKWILL<sup>®</sup>, China. Provide with best support.

If you have any question please consult below:

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ROCKWILL® Energy strives to bring our customers the latest technology and competitive pricing and best service for distribution automatic.

SBW-S series intelligent CNC (microcomputer type) compensated AC power voltage stabilizers/regulators are based on the perfect combination of traditional high-power compensated voltage stabilizer and modern intelligent control technology, so that users can enjoy the reliable and convenient parameter setting and maintenance brought by advanced control circuit, highlighting the safety, stability, energy saving and humanized human-machine interface of the voltage stabilizing equipment. This voltage stabilizing power supply can be equipped with interfaces to realize remote communication, telemetry, and remote control" functions.

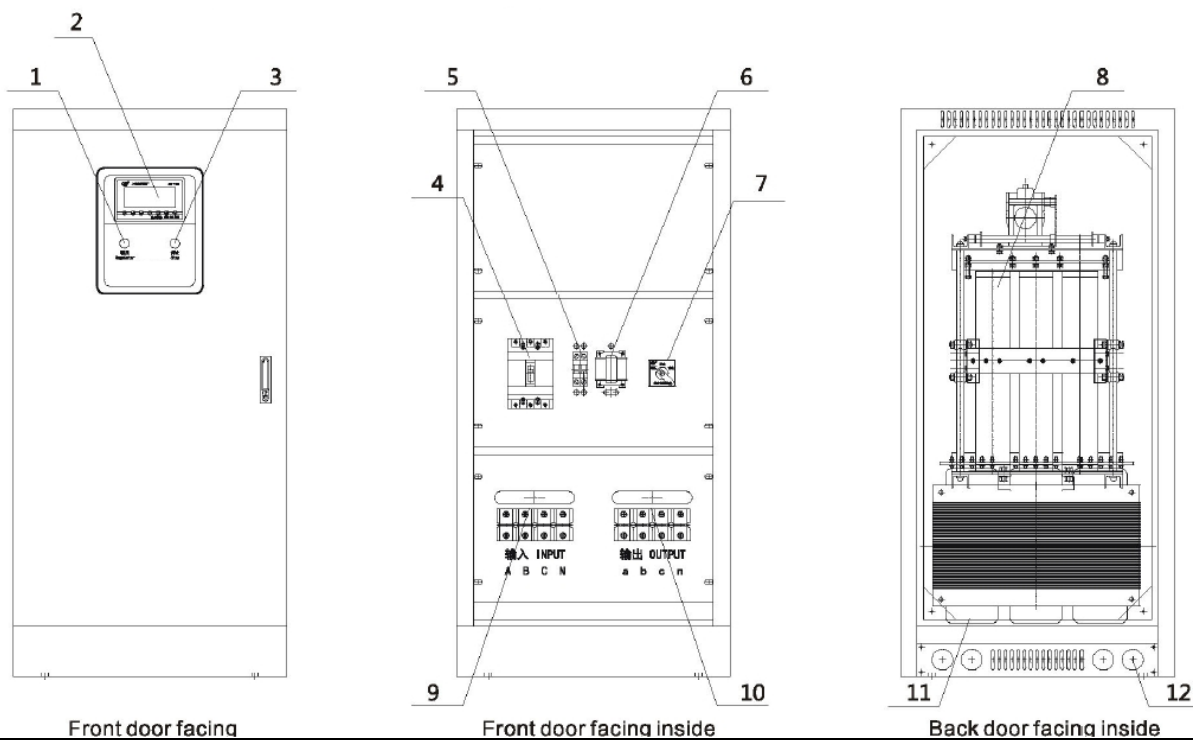
Compared with other types of voltage stabilizers, this series of products have large capacity, high efficiency, no waveform distortion, stable voltage regulation; adapts to inductive, capacitive, resistive and nonlinear loads. It can withstand instant overload, long-term continuous operation, free switching between manual and automatic control, with over-voltage, undervoltage, overload, overcurrent, short circuit protection functions; safe and convenient to use, reliable operation, etc.

It can be widely used in industrial and mining enterprises, scientific research, post and telecommunications, military, railways, transportation, hospitals, elevators, bowling equipment, air conditioners, hotels and other places with high requirements on power supply quality.

### Service environment

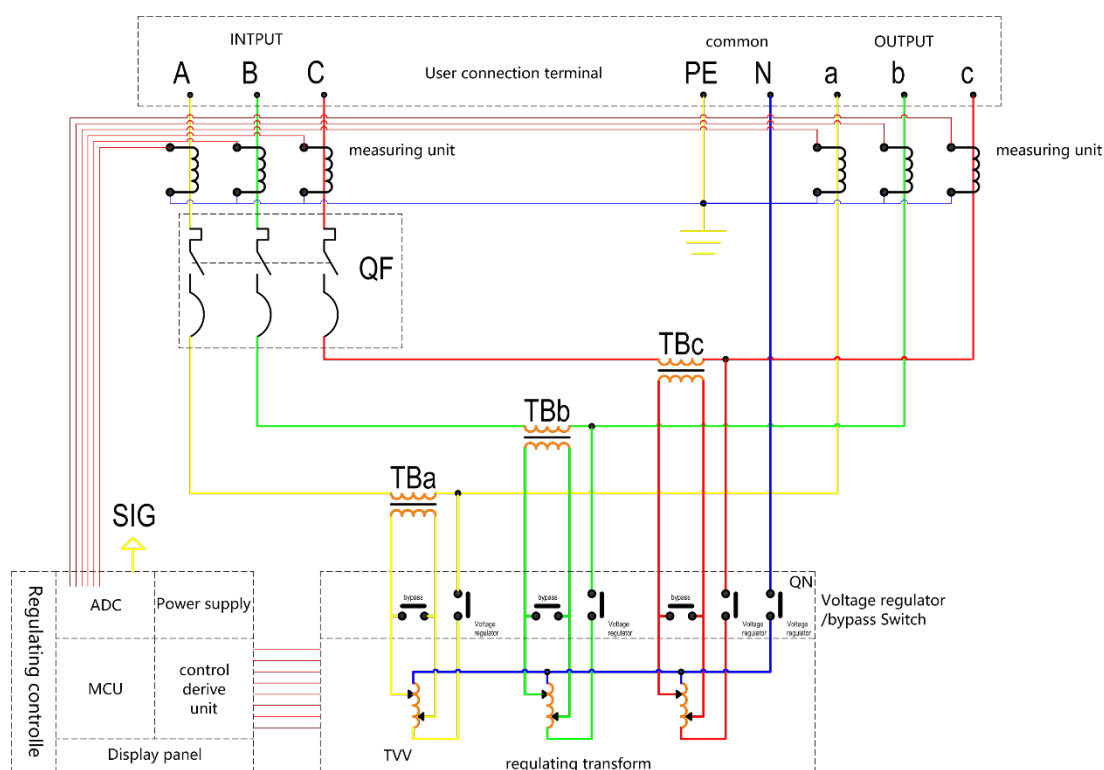
Air temperature:	Ambient temperature: -15°C ~ +40°C
Humidity:	0% ~ 90% (Non-congealing cream)
Above sea level:	-100~1000m
Install site	Free of severe vibration or bumps

## Product display:



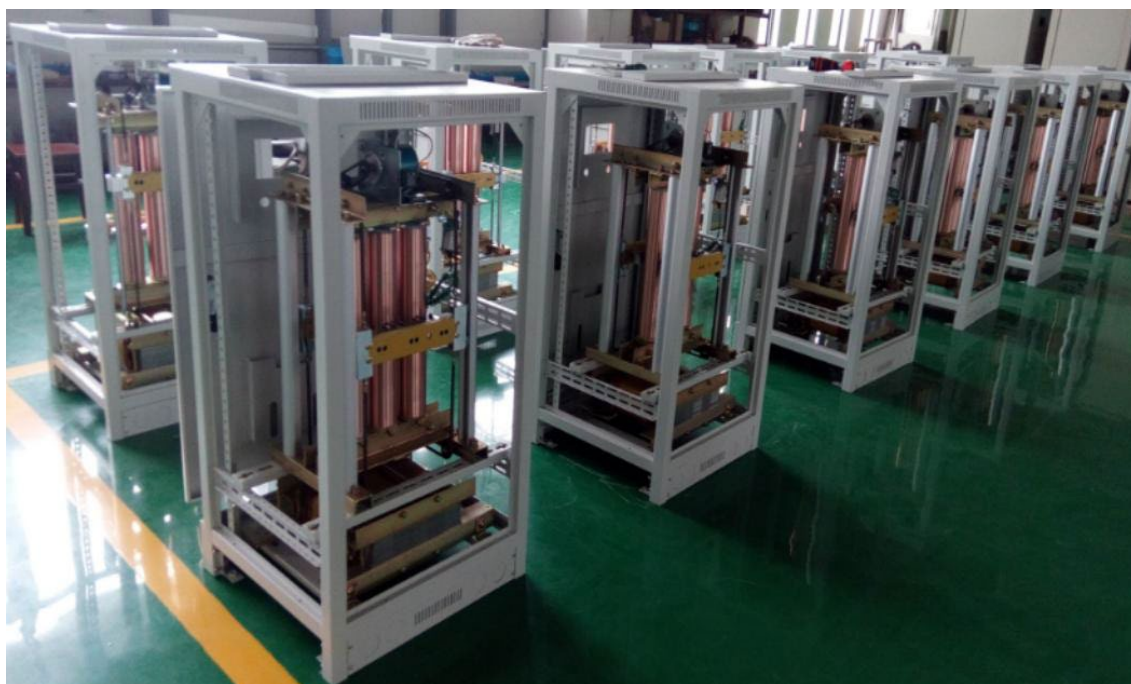
Front door facing	Front door facing inside	Back door facing inside
1.stable Voltage indicator lighting	2.Intelligent control display	3.Stop button
4.Mian power switch	5.Control loop fuse	6.Control power transform
7.gird/stabilization switch	8.Voltage regulating transform	9.Input terminal block
10.output terminal block	11. Compensation transform	12.cable entry and exit hole

## system structure:



Input	Input Voltage range	3-phase 5line AC380V $\pm$ 20%
	Rated Voltage range	3-phase 5line AC380V $\pm$ 15%
	Rated frequency	50Hz/60Hz
Output	Rate output Voltage	3-phase 5line AC380V (adjustable)
	Center Voltage	$\pm$ 5% adjustable (adjustable)
	Voltage stabilization accuracy	1%~5%
	Response time	$\leq$ 0.1s
	Stabilization time	$\leq$ 1S
	Waveform distortion	Increment $\leq$ 0.5%
	Efficiency	$\geq$ 98%
	3-phase unbalance	Increment $\leq$ 0.5%
	Operation mode	Manual Voltage regulator/automatic Voltage regulator
Protection	Over-voltage	Default 10% 6s cut off
	Under-voltage	Default 12% 12s cut off
	Overload	Inverse-time curve cut off
	Overcurrent	Inverse-time curve cut off
	Short-circuit	Instantaneous Cut off
	Bypass	Manual direct-through device
Display and alarm	Input voltage display	Automatic rotation display UAB UBC UCA
	output voltage display	Automatic rotation display UAB UBC UCA
	line current display	Automatic rotation display IA IB IC
	Working status display and report	a. over-voltage, b. under-voltage, c. overload
Safety regulations	Ground	$\geq$ 10mm <sup>2</sup>
	Electrical clearance and creepage distance	$\geq$ 22mm
	Dielectric strength	$\geq$ 20M $\Omega$
	work frequency withstand voltage	AC2000V1Min $\leq$ 20mA
Optional feature		Lighting protection device
		EMI filter device
		Phase sequence, phase loss protection function
		Communication interface

Model	Input Voltage	Rated capacity	Rated current	Size	Weight
SBW-W-10	3-phase AC380V ±20%	10KVA	15A	350*600*750(mm) (with locking wheel)	73kg
SBW-W-20		20KVA	30A		83kg
SBW-W-30		30KVA	46A		124kg
SBW-W-50		50KVA	76A	390*650*870(mm) (with locking wheel)	166kg
SBW-W-75		75KVA	114A	460*700*1200(mm)	220kg
SBW-W-100		100KVA	152A		240kg
SBW-W-120		120KVA	182A		264kg
SBW-W-150		150KVA	228A	760*660*1600(mm)	345kg
SBW-W-180		180KVA	273A		387kg
SBW-W-200		200KVA	300A		425kg
SBW-W-225		225KVA	342A		485kg
SBW-W-250		250KVA	380A	1150*850*2200(mm)	607kg
SBW-W-320		320KVA	486A		700kg
SBW-W-400		400KVA	608A		806kg
SBW-W-500		500KVA	760A		920kg
SBW-W-600		600KVA	912A		1145kg
SBW-W-800		800KVA	1216A	1500*1000*2200(mm)	1250kg
SBW-W-1000		1000KVA	1520A		1460kg
SBW-W-1200		1200KVA	1824A	1800*1000*2200(mm)	4680kg
SBW-W-1400		1400KVA	2127A	2400*1000*2200(mm)	1820kg
SBW-W-1600		1600KVA	2431A		1980kg
DBW-W-3	Single-phase AC220V ±20%	3KVA	13.5A	220*500*370(mm)	32kg
DBW-W-5		5KVA	22.5A		36kg
DBW-W-10		10KVA	45A		40kg
DBW-W-15		15KVA	68A	390*600*400(mm)	45kg
DBW-W-20		20KVA	91A		50kg
DBW-W-30		30KVA	137A	390*650*670(mm) (with locking wheel)	60kg
DBW-W-40		40KVA	182A		80kg
DBW-W-50		50KVA	228A		105kg



Field service operation and warranty issues:

ROCKWILL® can provide competent, well trained field service representatives to provide technical guidance and advisory assistance for the installation, overhaul, repair and maintenance of ROCKWILL® equipment, processes and systems.

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