

SKF series universal DC voltage stabilization power supply

(3U full-width model)



Suzhou BEISINA Electronic Technology Co., LTD

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Version of

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Suzhou WTKS Power Technology Co., Ltd.

SKF series adopts ultra-thin design, higher power density and operation efficiency; active power factor correction design (selection), reduce the waste of reactive power generation; stable work under wide output voltage current range, CV / CC / CP three ring, working mode, and automatic switching mode; power support and power string expansion function, convenient use; OVP, OCP, OPP, OTP, SCP, and dual protection design of software and hardware to ensure reliable power operation, support multiple communication interfaces to meet more applications; built-in photovoltaic panel touch function, and automotive electronic test waveform.

Product characteristics

- * Use conventional 3U full width 19 inch frame type;
- * Voltage output range: 0~6000V (higher voltage can be customized);
- * Current output range: 0~500A (higher current can be customized);
- * High-precision 4-bit semi-LCD LCD screen, support Chinese and English display;
- * Analog input programming function, which can control the voltage and current respectively (users can choose 5V / 10V, 4-20 mA) - optional function;
- * External ON / OFF control port, fault signal output (fault is 5V high level, otherwise low level) - optional function;
- * Powerful and flexible program editing function output, can constitute a DC pulse power supply;
- * With a wide range of voltage distal compensation capability;
- * Support for voltage monitoring output and current monitoring output;
- * Overvoltage protection, over current protection, over temperature protection and other comprehensive protection functions;
- * Standard RS485 (default) or RS232 communication interface (LAN, GPIB optional), support standard SCPI, MODBUS communication protocol;
- * Intelligent fan control, longer fan life, less noise;
- * Support constant power output- optional function;
- * Main and slave parallel / series operation mode, expand output power- optional function.

technical parameter

input character istics	Input voltage / frequency		Single-phase 220 Vac $\pm$ 10% / three-phase 380 Vac $\pm$ 10%50Hz $\pm$ 10Hz
	productiveness		85%-88%
	power factor		0.9
	surge current		<5A
DC output	voltage		The minimum set voltage shall not exceed 0.2% of rated output voltage to rated adjustable
	current		The minimum set current does not exceed 0.2% of rated output current to rated adjustable
Constant pressure mode	Maximum input adjustment rate		0.2% rating
	Maximum load adjustment rate		0.5% rating
	When drift		0.5% rating (rate of change of output voltage due to continuous working time greater than 8 hours)
	Warm drift		0.5% rating / $^{\circ}\text{C}$ (rate of output voltage change caused by ambient temperature)
	ripple wave (rms)		Valid value 0.5% rating (FS)
	Output electr icity	Up to the 0-rating value	0V~60V: 80ms、60V~300V: <120ms、300V~600V: <250ms
	Pressu re respon se time (ms)	No load drop	1U models 1000ms-5000ms, 2U and 3U models 3000ms-10s
	Full load drop		1U models 250ms, 2U and 3U models 500ms
Constant flow mode	transient response time		The time when the output voltage is restored to within 0.5% of the rated output voltage; The variable value of the output current is rated at 10-90%; Output voltage setting range: 10-100%; 100V model: 8ms, > 100V model: 10ms.
	Maximum input adjustment rate		0.5% rating (change rate of output current due to input voltage change + 10% -90% range)
	Maximum load adjustment rate		0.5% rating (rate of output current when load changes from 10% to 90%)
	When drift		0.5% rating (rate of change of output current due to continuous working time greater than 8 hours)
	Warm drift		0.5% rating / $^{\circ}\text{C}$ (rate of change of output current due to ambient temperature)

specifications and models

model	voltage (V)	current (A)	power (W)	Input voltage (VAC)	joggle
SKF-10-500	10	500	5000	Single phase 220	RS485 (default) \ RS232
SKF-15-300	15	300	4500	Single phase 220	RS485 (default) \ RS232
SKF-15-500	15	500	7500	Three phase 380	RS485 (default) \ RS232
SKF-20-300	20	300	6000	Single phase 220 / three phase 380	RS485 (default) \ RS232
SKF-20-500	20	500	10000	Three phase 380	RS485 (default) \ RS232
SKF-30-200	30	200	6000	Single phase 220 / three phase 380	RS485 (default) \ RS232
SKF-30-250	30	250	7500	Three phase 380	RS485 (default) \ RS232
SKF-30-500	30	500	15000	Three phase 380	RS485 (default) \ RS232
SKF-50-120	50	120	6000	Single phase 220 / three phase 380	RS485 (default) \ RS232
SKF-50-150	50	150	7500	Three phase 380	RS485 (default) \ RS232
SKF-50-200	50	200	10000	Three phase 380	RS485 (default) \ RS232
SKF-60-100	60	100	6000	Single phase 220 / three phase 380	RS485 (default) \ RS232
SKF-60-120	60	120	7200	Three phase 380	RS485 (default) \ RS232
SKF-60-150	60	150	9000	Three phase 380	RS485 (default) \ RS232
SKF-60-200	60	200	12000	Three phase 380	RS485 (default) \ RS232
SKF-90-80	90	80	7200	Three phase 380	RS485 (default) \ RS232
SKF-90-100	90	100	9000	Three phase 380	RS485 (default) \ RS232
SKF-90-150	90	150	13500	Three phase 380	RS485 (default) \ RS232
SKF-100-80	100	80	8000	Three phase 380	RS485 (default) \ RS232
SKF-100-100	100	100	10000	Three phase 380	RS485 (default) \ RS232
SKF-100-150	100	150	15000	Three phase 380	RS485 (default) \ RS232
SKF-120-60	120	60	7200	Three phase 380	RS485 (default) \ RS232
SKF-120-80	120	80	9600	Three phase 380	RS485 (default) \ RS232
SKF-120-100	120	100	12000	Three phase 380	RS485 (default) \ RS232
SKF-120-120	120	120	14400	Three phase 380	RS485 (default) \ RS232
SKF-150-50	150	50	7500	Three phase 380	RS485 (default) \ RS232
SKF-150-60	150	60	9000	Three phase 380	RS485 (default) \ RS232
SKF-150-80	150	80	12000	Three phase 380	RS485 (default) \ RS232
SKF-150-100	150	100	15000	Three phase 380	RS485 (default) \ RS232
SKF-300-20	300	20	6000	Single phase 220 / three phase 380	RS485 (default) \ RS232
SKF-300-30	300	30	9000	Three phase 380	RS485 (default) \ RS232
SKF-600-8	600	8	4800	Single phase 220	RS485 (default) \ RS232
SKF-600-10	600	10	6000	Single phase 220 / three phase 380	RS485 (default) \ RS232

SKF-600-15	600	15	9000	Three phase 380	RS485 (default) \ RS232
SKF-800-10	800	10	8000	Three phase 380	RS485 (default) \ RS232
SKF-900-10	900	10	9000	Three phase 380	RS485 (default) \ RS232
SKF-900-15	900	15	13500	Three phase 380	RS485 (default) \ RS232
SKF-1000-8	1000	8	8000	Three phase 380	RS485 (default) \ RS232
SKF-1000-10	1000	10	10000	Three phase 380	RS485 (default) \ RS232
SKF-1200-10	1200	10	12000	Three phase 380	RS485 (default) \ RS232
model	voltage (V)	current (A)	power (W)	Input voltage (VAC)	joggle
SKF-2000-5	2000	5	10000	Three phase 380	RS485 (default) \ RS232
SKF-2500-4	2500	4	10000	Three phase 380	RS485 (default) \ RS232
SKF-3000-1	3000	1	3000	Three phase 380	RS485 (default) \ RS232
SKF-4000-1	4000	1	4000	Three phase 380	RS485 (default) \ RS232
SKF-5000-0.5	5000	0.5	2500	Three phase 380	RS485 (default) \ RS232

* This model can put a 19-inch standard cabinet, the bottom of the power supply pad can be removed.

* 6KW (including 6KW) single phase, three phase can be, 6KW is three phase.

fittings of a machine

* Manual 1

* Certificate 1

* Product Test Report 1

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