

**FPS-S1U, FPS-S1U/P, FPS-S1U/TB RACK SPECIFICATIONS**

IA600-01-01C

1	Number of power supply modules	---	Maximum 3 FPS1000 modules of the same output voltage rating.
2	Maximum output power (*1)	W	3000
3	Input voltage / frequency range (*2)	---	85~265Vac continuous, 47~63Hz, Single phase
4	Maximum input current (at 100/200Vac)	A	12.0/6.0 for each FPS1000 power supply module. FPS-S1U/TB: 36.0/18.0 for all Rack.
5	AC input connector	---	FPS-S1U: IEC inlet for each power supply module. FPS-S1U/P: None. FPS-S1U/TB: 3 WAY Terminal Block inlet.
6	Output terminals	---	Bus-bars. Refer to outline drawing.
7	Remote sensing (*3)	V	Possible. Refer to Instruction Manual.
8	Parallel operation	---	Possible. Refer to Instruction Manual.
9	Series operation	---	Possible. Refer to Instruction Manual.
10	Remote On/Off control	---	Separate control for each FPS1000 unit, by electrical signal or dry contact. On: 0~0.6V or short. OFF: 2~15V or open.
11	DC OK signal	---	Separate signal for each FPS1000 unit, open collector signal. On when $V_{out} > 80\% \pm 5\%$ of rated output voltage. Max.sink current: 10mA
12	AC fail signal	---	Separate signal for each FPS1000 unit, open collector signal. Refer to Instruction Manual
13	Over Temperature alarm signal	---	Separate signal for each FPS1000 unit, open collector signal. Refer to Instruction Manual
14	Output voltage trimming	---	Possible, via separate control for each FPS1000 unit. Refer to Instruction Manual.
15	Auxiliary power supply	---	11.2~12.5VDC. Maximum output current: 0.25A*Number of installed FPS1000 units.
16	Operating temperature	---	0~50°C: 100% load. Derate 2%/°C, 50°C to 60°C, Derate 2.5%/°C, 60°C to 70°C
17	Storage temperature	---	-30~85°C
18	Operating humidity	---	10~90% RH, no condensation.
19	Storage humidity	---	10~95% RH, no condensation.
20	Vibration	---	Built to meet ETS 300 019
21	Shock	---	Built to meet ETS 300 019
22	Applicable safety standards	---	IEC 62368-1 UL62368-1 CSA22.2 No.62368-1 EN62368-1.
23	Withstand voltage	---	Input-Output: 3000Vrms, 1min. Input-Ground: 2000Vrms, 1min. Output-Ground: 500Vrms, 1min.
24	Isolation resistance	---	More than 100Mohm at 25°C and 70% RH. Output-Ground: 500Vdc
25	Weight (Typ)	Kg	3.7
26	Size (W*H*D)	---	440x44x351mm. Refer to Outline Drawing.

Notes:

- \*1: For input voltage lower than 100Vac, maximum output power derated to 2700W.
- \*2: For cases where conformance to various safety standards (UL, EN etc.) is required, to be described as 100-240Vac (50/60Hz).
- \*3: Remote sensing can compensate up to 1V drop on each load wire.