

FPS1000 SERIES SPECIFICATIONS:			FPS1000-48	FPS1000-24	B
1	Rated output voltage	V	48	24	B
2	Output voltage set point	V	48+/-1%	24+/-1%	B
3	Output voltage range	V	43~58	21.5~29	B
4	Maximum Output Current (Refer to Fig.1)	A	21	40	B
5	Maximum output power	W	1008	960	B
6	Input voltage / frequency range (*1)	---	85~265Vac continuous, 47~63Hz, Single phase		
7	Maximum input current (at 100/200Vac)	A	12.0/6.0		
8	Power Factor (Typ)	---	>0.98 at 115/230V and maximum output power		
9	Efficiency (Typ) (*2)	%	85/88%	84/86%	B
10	Inrush current (*3)	A	Less than 40A		
11	Hold-up time	mS	20mS typical at 100Vac input, rated output voltage and less than 80% of rated load.		B
12	Maximum line regulation (*5)	---	0.40%		
13	Max load regulation (*6)	---	0.80%		
14	Output Ripple and noise PtP (*4)	mV	300	200	B
15	Temperature stability	---	0.1% of rated Vout for 8hrs after 30min warm-up. Constant line,load and temperature.		
16	Temperature coefficient	PPM/°C	200		
17	Remote sensing (*7)	V	Possible. Refer to Instruction Manual.		
18	Parallel operation (*9)	---	Possible. Refer to Instruction Manual.		B
19	Series operation	---	Possible. Refer to Instruction Manual.		
20	Over current protection	---	105~125% of maximum output current. Refer to Fig. 1		
21	Over voltage protection (*8)	V	62~66	31~34	B
22	Over temperature protection	---	Inverter shut down method, automatic reset.		
23	Remote On/Off control	---	By electrical signal or dry contact. ON: 0~0.6V or short. OFF: 2~15V or open.		
24	DC OK signal	---	Open collector signal. On when Vout>80+/-5% rated output. Max.sink current: 10mA		B
25	Over-Temp. warning	---	Open collector signal. Refer to Instruction Manual		
26	AC fail signal	---	Open collector signal. Refer to Instruction Manual		
27	Auxiliary power supply	---	11.2~12.5VDC. 0.25A Maximum output current.		
28	Vout voltage trimming	---	Possible, via Vout Trim pin in the I/O connector. Refer to Instruction Manual.		
29	Front panel indicators	---	AC OK, DC OK, DC FAIL		
30	I ² C Interface	---	Optional. Refer to Instruction Manual.		
31	Operating temperatue	---	0~50°C: 100% load. Derate 2%/°C, 50°C to 60°C.		A
32	Storage temperature	---	-30~85°C		A
33	Operating humidity	---	10~90% RH, no condensation.		
34	Storage humidity	---	10~95% RH, no condensation.		
35	Cooling	---	By internal Fans. Variable speed control.		
36	Vibration	---	Built to meet ETS 300 019		
37	Shock	---	Built to meet ETS 300 019		
38	Conducted emission	---	EN55022B, FCC part 15J-B, VCCI-B		
39	Radiated emission	---	EN55022B, FCC part 15J-B, VCCI-B		
40	Applicable safety standards	---	UL60950, EN60950		
41	Withstand voltage	---	Input-Output: 3000Vrms, 1min. Input-Ground: 2000Vrms, 1min. Output-Ground: 500Vrms, 1min.		
42	Insulation resistance	---	More than 100Mohm at 25°C and 70% RH. Output-Ground: 500Vdc		
43	Leakage current	mA	Less Than 1.1mA at 230Vac		
44	Weight (Typ)	Kg	2.0		
45	Size (W*H*D)	---	127x41x290mm. Refer to Outline Drawing.		

Notes:

- *1: For cases where conformance to various safety standards (UL, EN etc.) is required, to be described as 100-240Vac (50/60Hz).
- *2: At 100/200Vac, rated load and 25°C ambient temperature.
- *3: Not applicable for the noise filter inrush current less than 0.2mS.
- *4: Measured with JEITA RC-9131 1:1 probe, 20MHz B.W.
- *5: From 85~132Vac or 170~265Vac, constant load.
- *6: From No-load to Rated load, constant input voltage. Measured at the sensing point in Remote sense.
- *7: Remote sensing can compensate up to 1V drop on each load wire.
- *8: Inverter shut down method. Reset by AC voltage recycle or by On/Off control.
- *9: Derate Maximum output power by 10% for input voltage less than 100V_{RMS}.

B
B

Model V/I	FPS1000 -24	FPS1000 -48
V1	24V	48V
V2	29V	58V
I1	33A	17.25A
I2	40A	21A

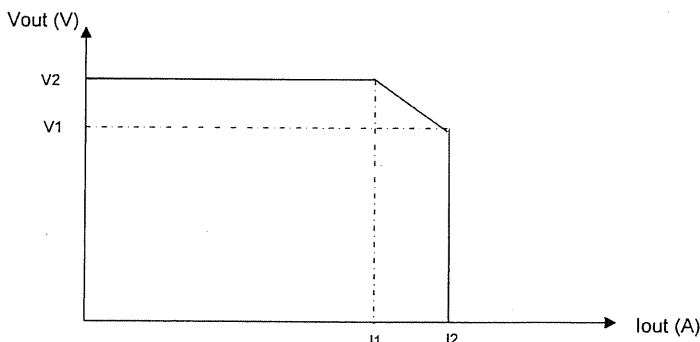


Fig. 1: Rated output current

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DRAWING NO: IA599-01-01B	
DRAW	<i>Marcella</i> 05 DEC-04
ENGR	<i>[Signature]</i> 05.12.04
CHECK	<i>Doron P.</i> Dec-6-04
APPR	<i>Doron P.</i> Dec-6-04