

## HFE2500-S1U SERIES RACK SPECIFICATIONS

				Rev.
1	Number of power supply modules (*3)	---	Maximum 4 HFE2500 of the same output voltage rating.	C
2	Maximum output power	W	Refer to HFE2500 specifications	B
3	Maximum output current	A	275A per output (Total 550A)	
4	Input voltage / frequency range (*1)	---	85~265Vac continuous, 47~63Hz, Single phase, separate input for each PS module.	
5	Maximum input current (at 115/230Vac)	A	15/12 for each HFE2500 power supply module	
6	Maximum line regulation (*4)	---	Less than 0.25% of rated output voltage	
7	Maximum load regulation (*5)	---	Less than 0.8% of rated output voltage	
8	AC input connector	---	Separate for each power supply. Rack2500: IEC inlet; Rack2500/TB: Terminal Block.	
9	Output terminals	---	Two bus-bars outputs (two sides). Refer to outline drawing.	
10	Remote sensing (*2)	V	Possible. Refer to Instruction Manual.	
11	Parallel operation	---	Possible. Refer to Instruction Manual.	
12	Series operation	---	Possible. Refer to Instruction Manual.	
13	Remote On/Off control (INHIBIT)	---	Separate control for each PS unit, by electrical signal or dry contact. OFF: 0~0.6V or short. ON: 2~15V or open.	
14	Remote On/Off control (ENABLE)	---	Common for all PS units, by electrical signal or dry contact. On: 0~0.6V or short. OFF: 2~15V or open.	
15	DC OK signal	---	Separate signal for each PS unit, open collector signal. Tracking, On when $V_{out} > 90 \pm 5\%$ of set output voltage. Max.sink current: 10mA	
16	AC fail signal	---	Separate signal for each PS unit, open collector signal. Max.sink current: 10mA On when $270Vac > V_{in} > 85Vac$ .	
17	Over Temperature alarm signal	---	Separate signal for each PS unit, open collector signal. Max.sink current: 10mA Refer to Instruction Manual	
18	Output voltage trimming	---	Common for all PS units, by built-in potentiometer. Refer to Instruction Manual.	
19	Output voltage programming	---	Possible, Common for all PS units, by 0~5V signal. Refer to Instruction Manual.	
20	Output voltage programming via I2C interface	---	Possible, Common for all PS units. Refer to Instruction Manual.	
21	OCP programming	---	Possible, Common for all PS units, by 0~5V signal. Refer to Instruction Manual.	
22	Auxiliary power supply	---	11.2~12.5VDC. Maximum output current: 0.5A	A
23	Operating temperature	---	-10~50°C: 100% load. Derate 2%/°C, 50°C to 60°C. Derate 2.5%/°C, 60°C to 70°C.	
24	Storage temperature	---	-30~85°C	
25	Operating humidity	---	10~90% RH, no condensation.	
26	Storage humidity	---	10~95% RH, no condensation.	
27	Vibration	---	Built to meet IEC60068-2-64 (Basic Transportation)	
28	Shock	---	Built to meet IEC60068-2-27 (Basic Transportation)	B
29	Applicable safety standards	---	UL60950-1, EN60950-1	
30	Withstand voltage	---	Input-Output: 3000Vrms, 1min. Input-Ground: 2000Vrms, 1min. Output-Ground: 48V model - 2250VDC, 1min. 12, 24V models - 500Vrms, 1min	
31	Insulation resistance	---	More than 100Mohm at 25°C and 70% RH. Output-Ground: 500Vdc	
32	Weight (Typ) (with accessories)	kg	Max. 5	
33	Size (W*H*D)	---	445x43.6x401mm. 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 Maximum voltage drop on load wires: HFE2500-12: 0.25V/wire, HFE2500-24: 0.5V/wire, HFE2500-48: 1V/wire.
- \*3 Mixing of units with PMBus option ("HFE2500-xx/S") and standard units ("HFE2500-xx") is not allowed.
- \*4 From 85~132Vac or 170~265Vac, constant load.
- \*5 From No-load to Rated load, constant input voltage. Measured at the sensing point in Remote sense.


DRAWING NO:	IA706-01-01C
DRAW	<i>[Signature]</i> 23-2-12
ENGR	<i>[Signature]</i> 23-2-12
CHECK	<i>[Signature]</i> 23.2.12
APPR	<i>[Signature]</i> 23.2.12

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