

HFE1600-S1U SERIES SPECIFICATIONS

				Rev.
1	Number of power supply modules	---	Maximum 5 units HFE1600 of the same output voltage rating (*3).	B
2	Maximum output power	W	Refer to HFE1600 specifications	
3	Maximum output current	A	200A per output (Total 400A)	
4	Input voltage / frequency range	(*1) ---	85~265Vac continuous, 47~63Hz, Single phase, separate input for each PS module.	
5	Maximum input current (at 100/200Vac)	A	14.2/8.1 for each HFE1600 power supply module	
6	Maximum line regulation	(*4)	0.25%	C
7	Max load regulation	(*5)	0.80%	C
8	AC input connector	---	Separate for each power supply. HFE1600-S1U: IEC inlet (C14); HFE1600-S1U/TB: Terminal Block.	B
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. Max.sink current: 10mA Tracking, On when Vout>90+/-5% of set output voltage.	
16	AC fail signal	---	Separate signal for each PS unit, open collector signal. Max.sink current: 10mA On when 270Vac>Vin>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	Auxiliary power supply	---	11.2~12.5VDC. Maximum output current: 0.5A	A
22	Operating temperature	---	-10~50°C: 100% load. 50°C to 60°C: Derate 2%/°C. 60°C to 70°C: Derate 2.5%/°C.	B
23	Storage temperature	---	-30~85°C	
24	Operating humidity	---	10~90% RH, no condensation.	
25	Storage humidity	---	10~95% RH, no condensation.	
26	Vibration	---	Built to meet IEC60068-2-64 (Basic Transportation)	
27	Shock	---	Built to meet IEC60068-2-64 (Basic Transportation)	
28	Applicable safety standards	---	UL60950-1, EN60950-1	
29	Withstand voltage	---	<u>Input-Output</u> : 3000Vac, 1min. <u>Input-Ground</u> : 2000Vac, 1min. <u>Output-Ground</u> : 48V model - 2250Vdc, 1min. 12, 24V models - 500Vac, 1min	B
30	Insulation resistance	---	More than 100Mohm at 25°C and 70% RH. Output-Ground: 500Vdc	
31	Weight (Typ) (with accessories)	kg	5.6	B
32	Size (W*H*D)	---	445x43.6x365mm. 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: HFE1600-12: 0.5V/wire, HFE1600-24,48: 1V/wire.
- *3 Mixing of units with PMBus option ("HFE1600-xx/S") and standard units ("HFE1600-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.

B
C
C

DRAWING NO:	IA705-01-01C
DRAW	<i>Pri</i> 7-Mar-11
ENGR	<i>Pri</i> 7-Mar-11
CHECK	<i>[Signature]</i> 7.3.11
APPR	<i>[Signature]</i> 7.3.11