HFE1600-S1U SERIES SPECIFICATIONS

					Rev.
1	Number of power supply modules	(*3) (*7)	---	Maximum 5 units HFE1600 of the same output voltage rating	E
2	Maximum output power		W	Refer to HFE1600 specifications	
3	Maximum output current		---	266A per output (Total 532A)	D
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	
7	Max load regulation	(*5)	%	0.80	
8	AC input connector	(*6)	---	Separate for each power supply. HFE1600-S1U: IEC inlet (C16); HFE1600-S1U/TB: Terminal Block.	E
9	Output terminals		---	Two bus-bars outputs for each terminal (two sides). Refer to outline drawing.	E
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.	
15	DC OK signal		---	Separate signal for each PS unit, open collector signal. Maximum sink current: 10mA, Max 15V Tracking output setting, "LOW" when Vout>90+/-5% of output voltage setting	E
16	AC fail signal		---	Separate signal for each PS unit, open collector signal. Maximum sink current: 10mA, Max 15V "LOW" when input voltage 85Vac<Vin<270Vac.	E
17	Over Temperature alarm signal		---	Separate signal for each PS unit, open collector signal. Maximum sink current: 10mA, Max 15V Refer to Instruction Manual	E
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 of load +60°C to +70°C: Derate 2.5%/°C of load	E
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 IEC60068-2-27 (Basic Transportation)	D
28	Applicable safety standards		---	IEC 62368-1 UL62368-1 CSA22.2 No.62368-1 EN62368-1.	F
29	Withstand voltage	Input-Output:	---	3000Vrms, 1min.	E
		Input-Ground:		2000Vrms, 1min	E
		Output-Ground:		12V, 24V, 32V models - 500Vrms, 1min 48V model - 2250Vdc, 1min.	E
30	Isolation resistance		---	More than 100Mohm at 25°C and 70% RH. Output-Ground: 500Vdc	F
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, Input voltage to be described as 100-240Vac (50/60Hz). — E

*2 Maximum voltage drop on load wires: HFE1600-12: 0.5V/wire, HFE1600-24: 0.5V/wire, HFE1600-32: 0.75V/wire, HFE1600-48: 1V/wire. — E

*3 Mixing of units with PMBus option ("HFE1600-xx/S") and standard units ("HFE1600-xx") is not allowed. — B

*4 From 85~132Vac or 170~265Vac, constant load. — C

*5 From No-load to Rated load, constant input voltage. Measured at the sensing point in Remote sense. — C

*6 Use UL approved Insulated terminals lugs — E

*7 The output of all HFE1600 modules are connected in parallel in the Rack — E

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