

PA400F280-SERIES

Single output DC-DC power module
Low Voltage & Large output Current

LAMBDA
DENSEI-LAMBDA



CE (Low Voltage Directive)

2 year warranty

Features

- Low Voltage & Large Current type for the latest semiconductor device (high speed CMOS Logic IC)
This DC-DC power module has high speed response and low voltage and large current which is required in markets for main computer frame and large computer server.
- 1. Low Voltage Output: 1.8VDC (1.0 ~ 2.8V), 3.3VDC (2.2 ~ 4.2V), 5V (2.5 ~ 6V)
- 2. Large Output Current: 1.8V100A, 3.3V100A, 5V80A Comply with large output current by N+1 Redundant operation
- 3. Over Voltage Protection: provided over voltage adjustment for output voltage OVP can be reset with external signal (Control OFF)
- 4. Compact-High Density: 41W/inch³ (5V400W output type)
- Operational Circumstances
- 1. DC200 ~ 400V input voltage range to be suitable for DC voltage supply
- 2. Baseplate Temperature: up to +85°C (-20 ~ +85°C)
- 3. Conduction Cooling Matched to enable to arrange thermal radiation method according to a form of end use equipment

Safety standard

1. CE marked for LVD (Low Voltage Directive)
2. Safety Approval: UL1950, CSA950 (C-UL), EN60950 (BSI)

Specifications

Model name	PA400F280-1.8	PA400F280-3.3	PA400F280-5
1. Nominal output voltage	1.8V	3.3V	5V
2. Maximum output current	100A	100A	80A
3. Nominal output power	180W	330W	400W
4. Input voltage range	200 ~ 400VDC		
5. Output voltage range	1.0 ~ 2.8V	2.2 ~ 4.2V	2.5 ~ 6.0V
6. Maximum line regulation	10mV: at 200 ~ 400VDC input & constant load		
7. Maximum load regulation	10mV: at No load ~ Full load & constant input voltage		
8. Operating temperature	-20°C ~ +85°C (Baseplate) Ambient temperature min. = -20°C		
9. Cooling	Conduction cooling (Heatsink & airflow has to be chosen according to instruction manual)		
10. Withstand voltage	Input to baseplate: 2.5kVAC (20mA), Input to output: 3kVAC (20mA) for 1 minute. Output to baseplate: 500VDC for 1 minute.		
11. Safety standard	Approved by UL1950 CSA950 (C-UL) and EN60950 (BSI)		
12. Functions	OVP, OCP, Remote sensing, Remote on/off control, Inverter good signal (IOG)		

Outline drawing

