

# AC-DC Industrial Power Supply

## PS/2 1+1 Redundant FRAK MV Series

AC PFC I/P, 360W ~ 750W O/P

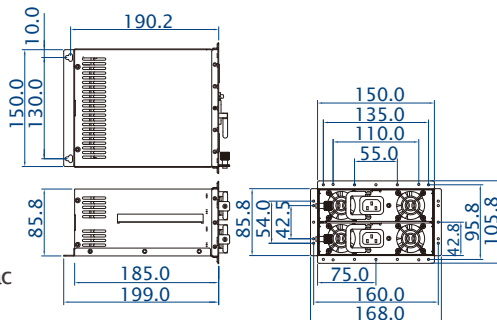
### Features

- 360 ~ 750W 7 outputs, AC active PFC input design
- Build in I2C, system alarm buzzer & system TTL
- Build in long life ball bearing fan (Delta or Sanyo)
- Build in thermal fan speed for noise reduction
- Operating temperature range from -10°C ~ 50°C
- Complies with FCC, CE, NEBS, RoHS requirements
- cTUVus, TUV, CCC and CB EN 60950-1 certified
- MTBF 100KHRs at full load 25°C



### Mechanical Dimension

W x L x H = 150 x 185 x 85.8mm/5.9 x 7.3 x 3.4 inches



### Electrical Specifications

#### AC Input:

- Input Voltage: 90 ~ 264Vac
- Input Current: 10.0A max.
- Input Frequency: 47 ~ 63 Hz
- Inrush Current: 50A max./module @ cold start
- Leakage Current: 1.75mA max./module @ 240Vac
- Efficiency: > 80% @ 20%, 50%, full load, 115 ~ 230Vac

#### DC Output: 360W ~ 750W Max.

Output Rail	Output Voltage	Min. Load (A)	360W Max. (A)	420W Max. (A)	480W Max. (A)	540W Max. (A)	600W Max. (A)	660W Max. (A)	750W Max. (A)	Load Reg.	Ripple & Noise
V1	+12V	0.5	30	35	40	45	50	55	60	±5%	120mV
V2	+5V	0	15/30	15/30	19/30	24/30	24/30	24/30	24/30	±5%	50mV
	+5V	0	30	30	30	30	30	30	30	±5%	50mV
V2a	+24V	0	4	4	4	4	4	4	4	±5%	240mV
	-12V	0	4	4	4	4	4	4	4	±10%	120mV
V3	+3.3V	0	21/30	24/30	24/30	24/30	24/30	24/30	24/30	±5%	50mV
	+3.3V	0	30	30	30	30	30	30	30	±5%	50mV
V3a	+24V	0	4	4	4	4	4	4	4	±5%	240mV
	-12V	0	4	4	4	4	4	4	4	±10%	120mV
V5	-5V	0	1	1	1	1	1	1	1	±10%	100mV
	-12V	0	0.5/0.8	0.5/0.8	0.5/0.8	0.5/0.8	0.5/0.8	0.5/0.8	0.5/0.8	±10%	120mV
V6	+5Vsb	0	3	3	3	3	3	3	3	±5%	50mV

- The continuous output power is 360W ~ 750W max.
- Remote ON/OFF: TTL High/PS OFF, TTL Low/PS ON
- PG delay: 100 ~ 500 msec. , PF delay: > 1 msec.
- Hold-up time: 16 msec. (minimum) @ 80% load
- Rise time: 20 msec. (maximum) @ full load
- Power-on time: 200 msec. (maximum) @ full load
- No-load operation
- Support OPP, OCP, OVP and SCP