

RPS-500W-ATX

Redundant Power Supply

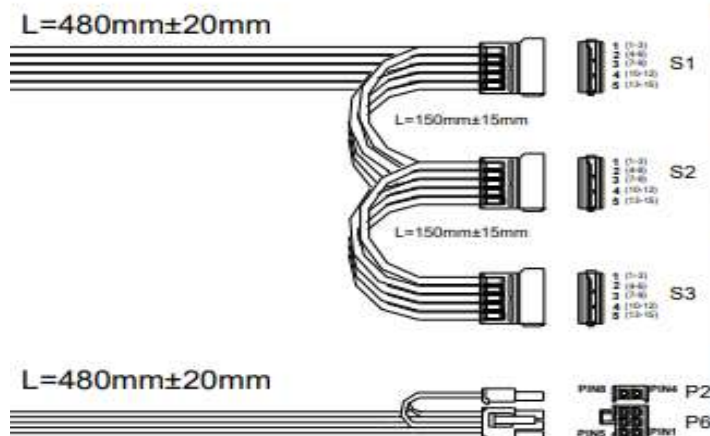
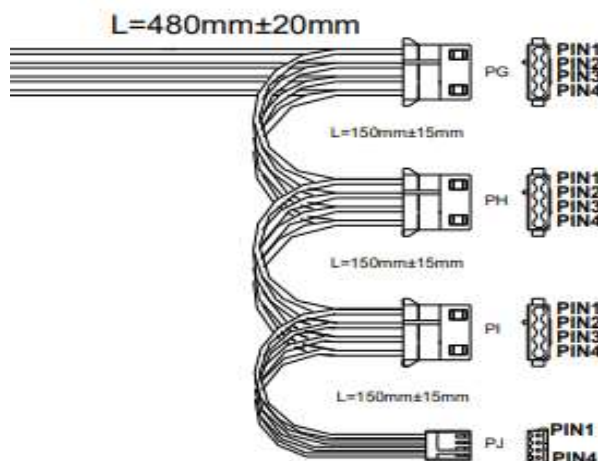
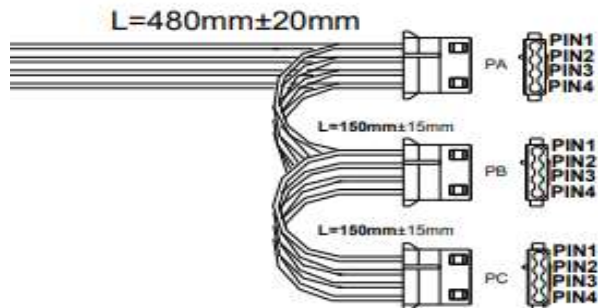
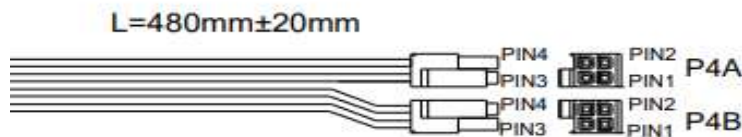
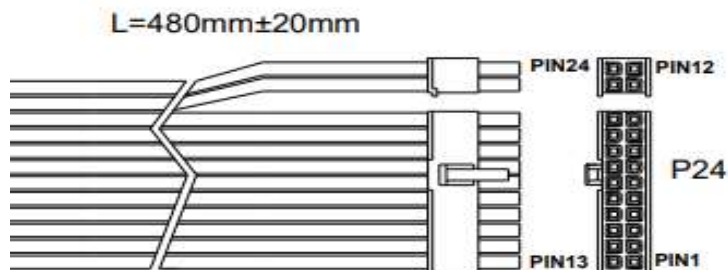


An ATX 500W + 500W redundant power supply consisting of an outer cage and 2x internally mounted 500W removeable power supply modules.

Outer models include 600W, 700W and 800W

Features include:

- Over Current Protection
- Over Voltage Protection
- Short Circuit Protection
- Over Temperature Protection
- Safety certified as per EN62368
- Size 168 x 100 x 199 mm



20+4Pins(EPS12V)

HOUSING : MOLEX 5557 series or equivalent
TERMINAL : MOLEX 5556 series or equivalent

Housing	Pin No.	WIRE COLOR	LENGTH	Pin No.	WIRE COLOR	LENGTH
P24	1	ORANGE(+3.3V)	480mm/18AWG	13	ORANGE(+3.3V)	480mm/18AWG
	2	ORANGE(+3.3V)	480mm/18AWG	14	BLUE(-12V)	480mm/24AWG
	3	BLACK(GND)	480mm/18AWG	15	BLACK(GND)	480mm/18AWG
	4	RED(+5V)	480mm/18AWG	16	GREEN(PS-ON)	480mm/24AWG
	5	BLACK(GND)	480mm/18AWG	17	BLACK(GND)	480mm/18AWG
	6	RED(+5V)	480mm/18AWG	18	BLACK(GND)	480mm/18AWG
	7	BLACK(GND)	480mm/18AWG	19	BLACK(GND)	480mm/18AWG
	8	GRAY(PG)	480mm/24AWG	20	NC	
	9	PURPLE(+5VSB)	480mm/18AWG	21	RED(+5V)	480mm/18AWG
	10	YELLOW(+12V)	480mm/18AWG	22	RED(+5V)	480mm/18AWG
	11	YELLOW(+12V)	480mm/18AWG	23	RED(+5V)	480mm/18AWG
	12	ORANGE(+3.3V)	480mm/18AWG	24	BLACK(GND)	480mm/18AWG

4Pins+4Pins(ATX12V, FOR P4)

HOUSING : MOLEX 5557 series or equivalent
TERMINAL : MOLEX 5556 series or equivalent

Housing	Pin No.	WIRE COLOR	SIGNAL	WIRE TYPE	LENGTH
P4A	1	BLACK	COM	18AWG	480mm±20mm
	2	BLACK	COM	18AWG	
	3	YELLOW	+12V	18AWG	
	4	YELLOW	+12V	18AWG	
P4B	1	BLACK	COM	18AWG	480mm±20mm
	2	BLACK	COM	18AWG	
	3	YELLOW	+12V	18AWG	
	4	YELLOW	+12V	18AWG	

4Pins(FDD/CD-ROM/RW)/PA-PJ

HOUSING : MOLEX 8981 series or equivalent
TERMINAL : MOLEX 8980 series or equivalent

4Pins(FLOPPY DISK).PJ

HOUSING : AMP 171822 series or equivalent
TERMINAL : AMP 170262 series or equivalent

Housing	Pin No.	WIRE COLOR	SIGNAL	WIRE SIZE	LENGTH
PA PG	1	YELLOW YELLOW	+12V	18AWG	480mm ±20mm
	2	BLACK/BLACK	COM	18AWG	
	3	BLACK/BLACK	COM	18AWG	
	4	RED/RED	+5V	18AWG	
PB PH PI	1	YELLOW YELLOW	+12V	18AWG	150mm ±15mm
	2	BLACK/BLACK	COM	18AWG	
	3	BLACK/BLACK	COM	18AWG	
	4	RED/RED	+5V	18AWG	
PC	1	YELLOW	+12V	18AWG	150mm ±15mm
	2	BLACK	COM	18AWG	
	3	BLACK	COM	18AWG	
	4	RED	+5V	18AWG	
PJ	1	YELLOW	+12V	24AWG	150mm ±15mm
	2	BLACK	COM	24AWG	
	3	BLACK	COM	24AWG	
	4	RED	+5V	24AWG	

SATA HDD

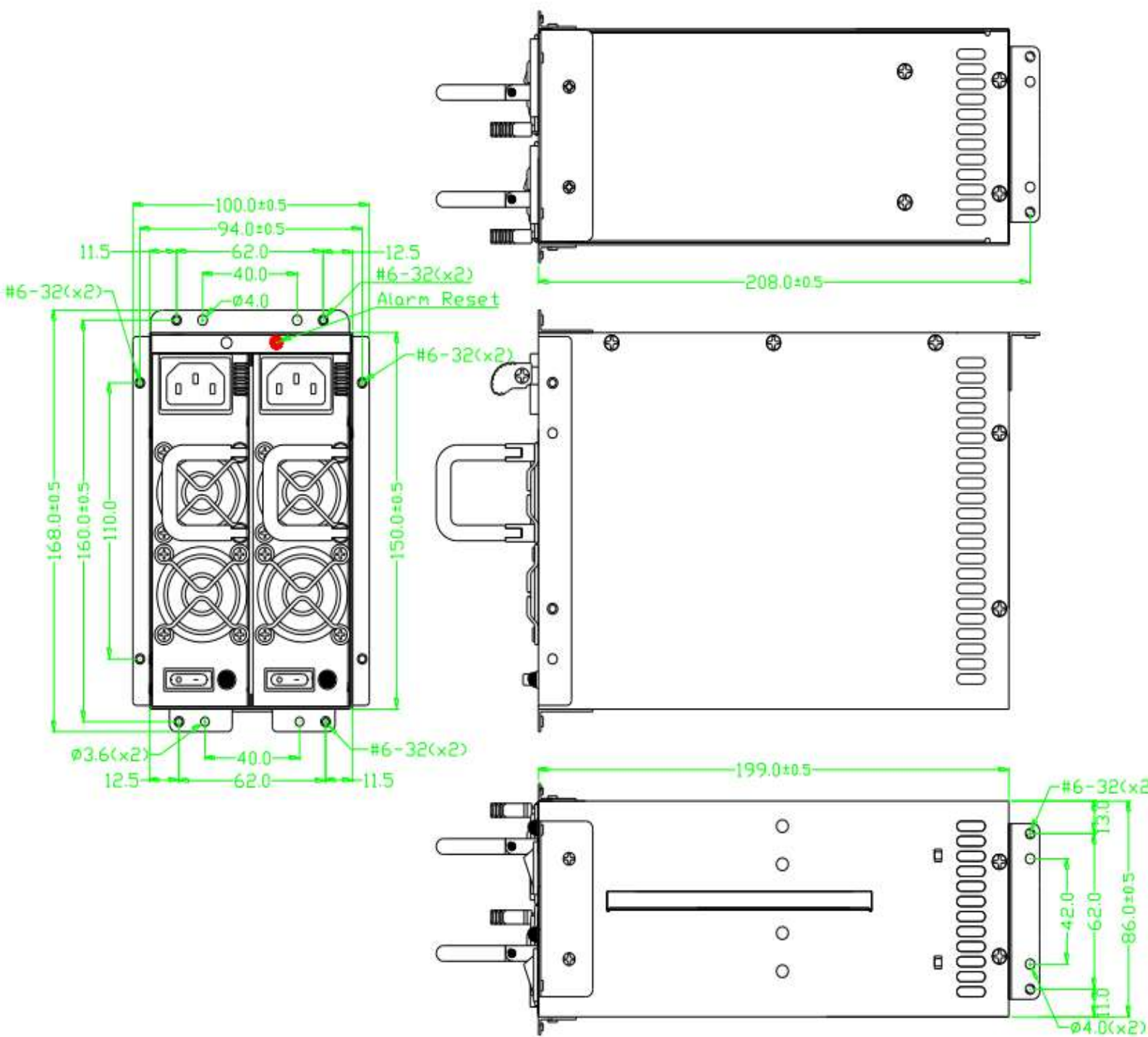
HOUSING : MOLEX 67582 series or equivalent
TERMINAL: MOLEX 67581 series or equivalent

Housing	Pin No.	WIRE COLOR	SIGNAL	WIRE TYPE	LENGTH
S1	1	ORANGE / ORANGE	+3.3V	18AWG	480mm±20mm
	2	BLACK / BLACK	COM	18AWG	
	3	RED/RED	+5V	18AWG	
	4	BLACK / BLACK	COM	18AWG	
	5	YELLOW / YELLOW	+12V	18AWG	
S2	1	ORANGE / ORANGE	+3.3V	18AWG	150mm±15mm
	2	BLACK / BLACK	COM	18AWG	
	3	RED/RED	+5V	18AWG	
	4	BLACK / BLACK	COM	18AWG	
	5	YELLOW / YELLOW	+12V	18AWG	
S3	1	ORANGE	+3.3V	18AWG	150mm±15mm
	2	BLACK	COM	18AWG	
	3	RED	+5V	18AWG	
	4	BLACK	COM	18AWG	
	5	YELLOW	+12V	18AWG	

3+2Pins(PCI Express)

HOUSING : MOLEX 45559 series or equivalent
TERMINAL: MOLEX 5556 series or equivalent

Housing	Pin No.	WIRE COLOR	SIGNAL	WIRE TYPE	LENGTH
P6	1	YELLOW	+12V	18AWG	480mm±20mm
	2	YELLOW	+12V	18AWG	
	3	YELLOW	+12V	18AWG	
	5	BLACK	COM	18AWG	
	6	BLACK/BLACK	COM	18AWG	
	7	BLACK/BLACK	COM	18AWG	
	8	BLACK	COM	20AWG	
P2	4	BLACK	COM	20AWG	100mm±10mm



Output Characteristics (500W/600W/700W/800W)

Output Voltage	Min. Current	Max. Current (500W/600W/700W/800W)	Regulation	Ripple & Noise
+3.3V	1A	25A/25A/32A/32A	±5%	50mV
+5V	1A	25A/25A/32A/32A	±5%	50mV
+12V	1A	41A/49A/57A/65A	±5%	120mV
-12V	0A	0.8A	±5%	120mV
+5VSB	0.1A	3.5A	±5%	50mV

Note for 500W/600W/700W/800W

- 1) The combined power from +3.3V and +5V shall not exceed 170W/180W/190W/190W.
- 2) The max total power shall not exceed 500W/600W/700W/800W.

Ordering Information:

- 1) RPS-500W-ATX Redundant 500W + 500W ATX power supply
- 2) RPS-600W-ATX Redundant 600W + 600W ATX power supply
- 3) RPS-700W-ATX Redundant 700W + 700W ATX power supply
- 4) RPS-800W-ATX Redundant 800W + 800W ATX power supply