



# Redundant Type Selection Guide

## AC Input

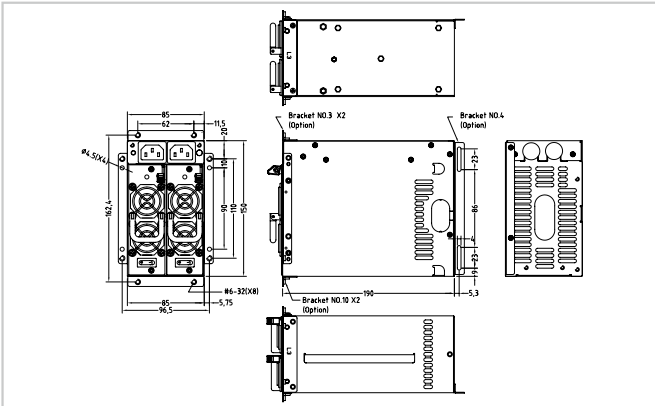
Product	Model No.	Watt AT/ATX PFC	Input Range Voltage	Output Current Range						Efficiency	Operating Temperature	Safety	Dimensions (mm)	
				+3.3 V	+5 V	+12 V	-5 V	-12 V	+5 Vsb					24V
	ACE-R4140AP	400W ATX PFC	90 ~ 264 VAC	25 A (2 A min.)	25 A (2 A min.)	30 A (2.5 A min.)		0.8 A (0.1 A min.)	2 A (0.1 A min.)		65%	0°C ~ 40°C	UL, TUV, CCC, BSMI, CE, FCC	150 x 85 x 190
	ACE-R4130AP	300W ATX PFC	90 ~ 264 VAC	18 A (1 A min.)	25 A (3 A min.)	16 A (2 A min.)	0.5A	0.5 A	2 A (0.1 A min.)		65%	0°C ~ 50°C	CB, UL, TUV, CCC, CE, FCC	185 x 150 x 86

## ACE-R4140AP

400 W ATX Mini Redundant Power Supply



Dimensions (Unit: mm)



### Specifications

Input	<b>Voltage</b>	90 ~ 264 VAC Full Range		
	<b>Frequency</b>	47 Hz ~ 63 Hz		
	<b>Input Current</b>	8 A (RMS) @ 100 VAC, 4 A (RMS) @ 240 VAC		
	<b>Inrush Current</b>	34.4A Max for 100 VAC, 68A Max for 264VAC		
Output	<b>Voltage</b>	<b>Min. load</b>	<b>Max. load</b>	<b>Ripple &amp; Noise</b>
	+5 V	2 A	25 A	50 mV P-P
	+12 V	2.5 A	30 A	120 mV P-P
	-12 V	0.1 A	0.8 A	120 mV P-P
	+3.3 V	2 A	25 A	50 mV P-P
	+5 Vsb	0.1 A	2 A	50 mV P-P
	+5 V, +12 V total current not exceed 150 W +3.3 V, +5 V, +12 V total current not exceed 440 W			
General Specification	<b>Hold up Time</b>	17 ms min.		
	<b>Efficiency</b>	65% min		
	<b>MTBF</b>	100,000 hours on max. load at +25°C		
	<b>Temperature</b>	Operating: 0°C ~ 50°C, Storage: -40°C ~ 70°C		
	<b>Dimensions</b>	150 x 85 x 190 (mm)		
	<b>Output Connector</b>	1 x 20+4-pin ATX, 1 x 4-pin 12V CPU, 8 x HDD/CDROM, 2 x FDD, 2 x SATA, 1 x Buzzer reset, 1 x T.T.L signal, 1 x LED power		

### Ordering Information

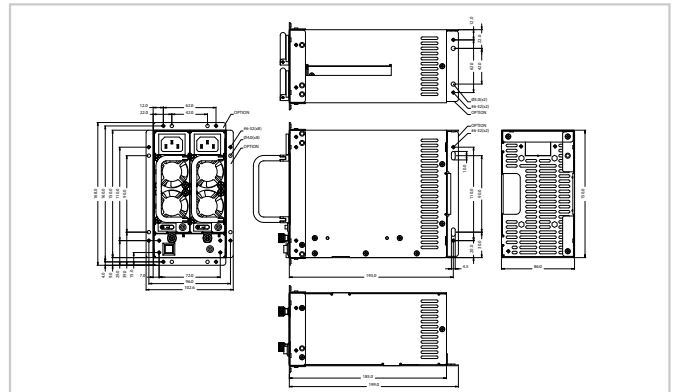
Part No.	Description
ACE-R4140AP-RS	400W Mini Redundant ATX Power Supply, with PFC
ACE-R4140AP1-RS	400W AC-DC ATX Redundant Module, for ACE-R4140AP, with PFC

## ACE-R4130AP

300 W ATX Mini Redundant Power Supply



Dimensions (Unit: mm)



### Specifications

Input	<b>Voltage</b>	90 ~ 264 VAC Full Range		
	<b>Frequency</b>	47 Hz ~ 63 Hz		
	<b>Input Current</b>	6 A (RMS) @110 VAC, 3 A (RMS) @220 VAC		
	<b>Inrush Current</b>	60 A max. for 110 VAC, 80 A max. for 220 VAC		
Output	<b>Voltage</b>	<b>Min. load</b>	<b>Max. load</b>	<b>Ripple &amp; Noise</b>
	+5 V	3 A	25 A	50mV P-P
	+12 V	2 A	16 A	120mV P-P
	-5 V	0 A	0.5 A	150mV P-P
	-12 V	0 A	0.5 A	150mV P-P
	+3.3 V	1 A	18 A	50mV P-P
	+5 Vsb	0.1 A	2 A	60mV P-P
*Total current of +5 V and + 3.3 V not exceed 35 A *Total current of +5 V, +3.3 V and +12 V not exceed 282 W				
General Specifications	<b>Watt</b>	300 W		
	<b>Hold-up Time</b>	16 ms min.		
	<b>Efficiency</b>	65% min.		
	<b>MTBF</b>	160,000 hours		
	<b>Temperature</b>	Operating: 0°C ~ 50°C, Storage: -20°C ~ 80°C		
	<b>Dimensions</b>	185 x 150 x 86 (mm), 7.28 x 5.91 x 3.39 (inch)		
<b>Output Connector</b>	1 x 20+4-pin ATX, 1 x 4-pin 12V CPU, 8 x HDD/CDROM, 2 x FDD, 2 x SATA, 1 x Buzzer reset, 1 x T.T.L signal, 1 x LED power			

### Ordering Information

Part No.	Description
ACE-R4130AP-RS	300 W Mini Redundant ATX Power Supply, with PFC
ACE-R4130AP1-RS	300 W AC-DC ATX Redundant Module, for ACE-R4130AP, with PFC