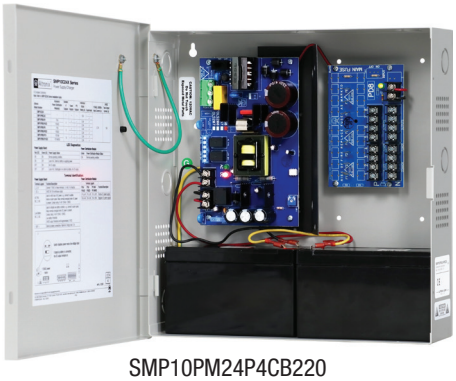
Altronix®

Rev. 04182023

SMP10C24X220 Series

Power Supply/Chargers

Altronix SMP10C24X220 series power supply/chargers convert a 220VAC (working range 198VAC - 256VAC), 50/60Hz input into a single, four (4), eight (8) or sixteen (16) fuse/ PTC protected outputs. Outputs are 24VDC with a total of 10A max.



SMP10PM24P4CB220

Key Features

- Available with 1, 4, 8 or 16 outputs
- Fused or PTC ptotected outputs
- Supervision (where applicable, see Chart below):
  - AC Fail
  - Battery Fail and Low Battery
- Built-in charger for sealed lead acid or gel type batteries
- Instantaneous transfer to stand-by batteries
- Short circuit and overload protection
- AC input and DC output LEDs
- Power On/Off switch
- Lifetime Warranty

SMP10C24X220 Series Power Supply Configuration Reference Chart

Altronix Model Number	220VAC, 50/60Hz Input Current (A)	24VDC Total Output Current (A)	Accessory Power Distribution Module(s)	Number of Outputs	Fused Outputs	PTC Outputs (auto-resettable)	Individual Output Rating (A)	Supervised	Accommodates Batteries
SMP10C24X220	1.8A	10A	–	1	–	–	10A	–	Two (2) 12VDC/7AH
SMP10PMC24X220							10A	✓	
SMP10PM24P4220			PD4	4	✓	–	2.5A		
SMP10PM24P4CB220			PD4CB		–	✓	2.0A		
SMP10PM24P8220			PD8	8	✓	–	2.5A		
SMP10PM24P8CB220			PD8CB		–	✓	2.0A		
SMP10PM24P16220			PD16W	16	✓	–	2.5A		
SMP10PM24P16CB220			PD16WCB		–	✓	2.0A		

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Specifications

Input

Voltage	220VAC (working range 198VAC - 256VAC), 50/60Hz

Outputs

Voltage	24VDC
Current	10A @ 24VDC continuous max.
Protection	Fused 3.5A / PTC 2.5A
Other	Short circuit and thermal overload protection Filtered and regulated

Battery Charging

Capacity	7AH/12VDC (1 or 2 within enclosure) 12AH/12VDC (requires larger "X" enclosure) 40AH/65AH (requires separate enclosure)
Type	Sealed lead acid or gel type
Failover	Upon AC loss, instantaneous

Batteries are sold separately

Supervision *(where applicable)*

AC Failure	Form "C" contacts
Low Battery	Form "C" contacts

Indicators (LED)

Input	220VAC is present
DC Output	Powered

Physical and Environmental

Dimensions (H x W x D)

Enclosure:
13" x 12.5" x 3.25" (330.2mm x 317.5mm x 82.6mm)

Shipping:
15" x 13.875" x 4.75" (381mm x 352.4mm x 120.6mm)

Weight (approx.)

Model	Product Weight	Shipping Weight
SMP10(PM)C24X220	8.3 lb. (3.76 kg)	9.3 lb. (4.22 kg)
SMP10PM24P4(CB)220	8.5 lb. (3.85 kg)	9.5 lb. (4.31 kg)
SMP10PM24P8(CB)220	8.6 lb. (3.90 kg)	9.6 lb. (4.35 kg)
SMP10PM24P16(CB)220	8.8 lb. (3.99 kg)	9.8 lb. (4.44 kg)

Temperature

Operating:	0ºC to 49ºC (32ºF to 120ºF)
Storage:	– 20ºC to 70ºC (– 4ºF to 158ºF)
Relative Humidity	20 to 85%, non-condensing
BTU/Hr. (approx.):	122 BTU/Hr.

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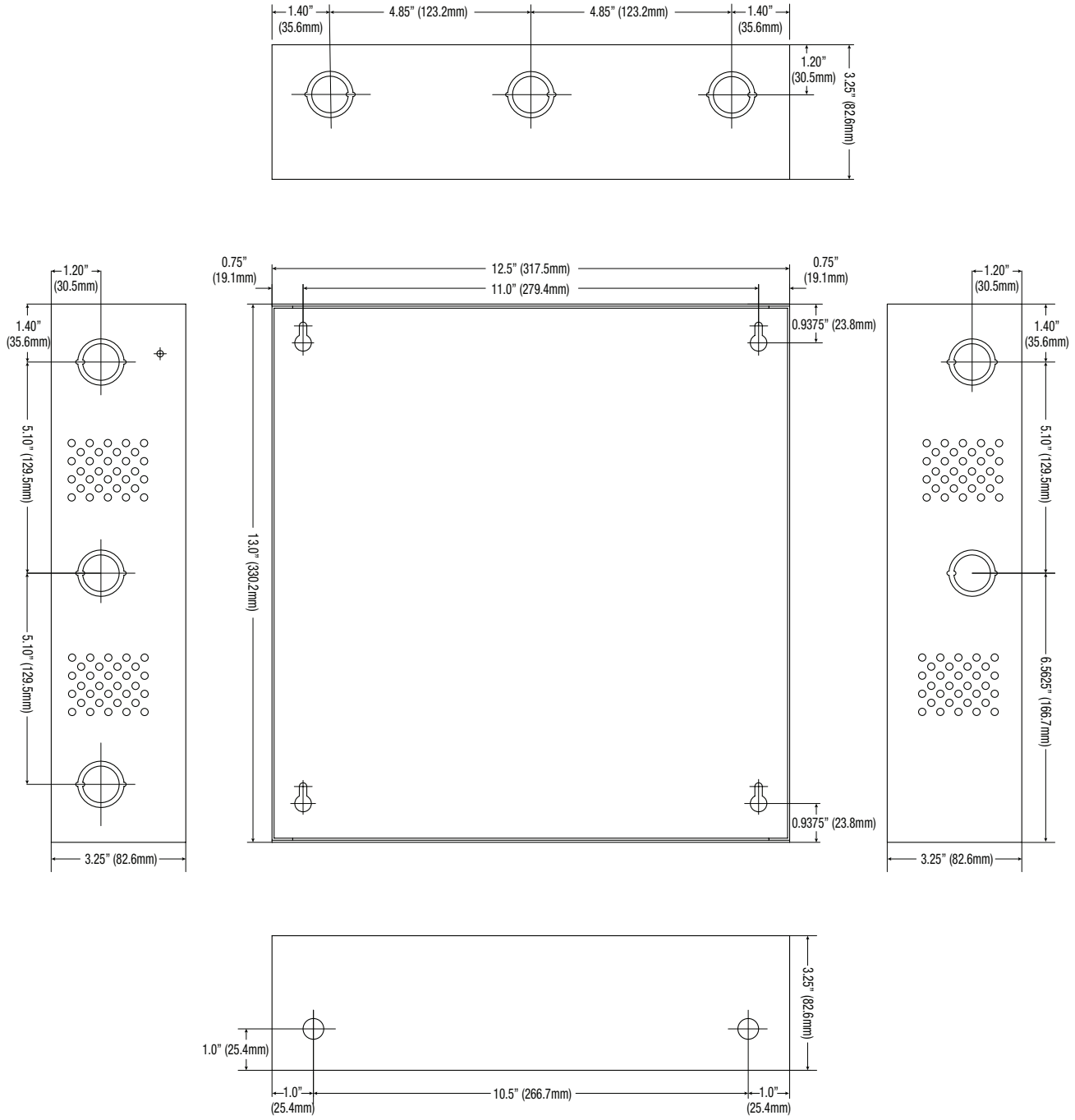
Dimensions and Drawing

Dimensions (H x W x D approximate)

13” x 12.5” x 3.25” (330.2mm x 317.5mm x 82.6mm)