

Type PSU AC Motor Start Capacitors

Non-polarized, Aluminum Electrolytic AC Motor Start Capacitors



The Type PSU is a compact non-polar, dual voltage rated, AC motor start capacitor constructed in a round rugged bakelite case. To extend the life of relay contact switches, the PSU can be purchased with optional bleeder resistors assembled with 1/4" quick-connect terminals. An optional mounting system consisting of a bracket that is attached to the capacitor case with one end cap is available. The PL end caps are for use with wiring through the bracket to the motor and the PLA end caps are for off motor mounting.

Optional Enhancements

End Caps



Mounting Bracket



Motor Start Resistor



Highlights

- Dual quick-connect terminals
- Rugged bakelite case
- Compact Size
- Resistor options
- Mounting options
- Non-polar
- Meets EIA RS-463 Type 2 (Normal Performance)
- Listed under UL file no. E128034

[Motor Start Capacitor Mounting Hardware and Accessories](#)

Specifications

| | |
|-----------------------|----------------------|
| Capacitance Range | 21 µF to 1280 µF |
| Capacitance Tolerance | See ratings table |
| Rated Voltage | 110 Vac to 330 Vac |
| Operating Temperature | -40 °C to 65 °C |
| Storage Temperature | -55 °C to 85 °C |
| Operating Frequency | 50 Hz to 60 Hz |
| Power Factor | 10% max (12% ≤30 µF) |

[Regulatory Information](#)

Ratings

| Cap (µF) | Catalog Part Number | Voltage (Vac) | Case Code | Diameter ±.015 (Inches) | Length ±.06 (Inches) |
|-------------|------------------------|------------------|--------------|-------------------------------|----------------------------|
| 21-25 | PSU2115 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 25-30 | PSU2515 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 30-36 | PSU3015 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 36-43 | PSU3615 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 43-52 | PSU4315 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 47-56 | PSU4715 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 53-64 | PSU5315 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 64-77 | PSU6415 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 72-86 | PSU7215 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 88-106 | PSU8815 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 108-130 | PSU10815 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 124-149 | PSU12415 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 130-156 | PSU13015 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 145-174 | PSU14515 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 161-193 | PSU16115 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 189-227 | PSU18915A | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 200-240 | PSU20015 | 110/125 | 2 | 1 7/16 | 3 3/8 |

| Cap (µF) | Catalog Part Number | Voltage (Vac) | Case Code | Diameter ±.015 (Inches) | Length ±.06 (Inches) |
|-------------|------------------------|------------------|--------------|-------------------------------|----------------------------|
| 216-259 | PSU21615 | 110/125 | 2 | 1 7/16 | 3 3/8 |
| 216-259 | PSU21615A | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 233-280 | PSU23315A | 110/125 | 2 | 1 7/16 | 3 3/8 |
| 233-280 | PSU23315B | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 243-292 | PSU24315A | 110/125 | 2 | 1 7/16 | 3 3/8 |
| 243-292 | PSU24315B | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 270-324 | PSU27015A | 110/125 | 2 | 1 7/16 | 3 3/8 |
| 270-324 | PSU27015B | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 300-360 | PSU30015 | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 324-389 | PSU32415A | 110/125 | 3 | 1 7/16 | 4 3/8 |
| 324-389 | PSU32415B | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 340-408 | PSU34015 | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 340-408 | PSU34015A | 110/125 | 2 | 1 7/16 | 3 3/8 |
| 378-454 | PSU37815 | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 378-454 | PSU37815A | 110/125 | 2 | 1 7/16 | 3 3/8 |
| 400-480 | PSU40015 | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 400-480 | PSU40015A | 110/125 | 2 | 1 7/16 | 3 3/8 |

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| Cap (μ F) | Catalog Part Number | Voltage (Vac) | Case Code | Diameter \pm .015 (Inches) | Length \pm .06 (Inches) |
|-------------------|------------------------|------------------|--------------|------------------------------------|---------------------------------|
| 430-516 | PSU43015A | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 430-516 | PSU43015B | 110/125 | 2 | 1 7/16 | 3 3/8 |
| 460-552 | PSU46015A | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 460-552 | PSU46015B | 110/125 | 2 | 1 7/16 | 3 3/8 |
| 540-648 | PSU54015A | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 540-648 | PSU54015B | 110/125 | 5 | 1 13/16 | 4 3/8 |
| 590-708 | PSU59015A | 110/125 | 5 | 1 13/16 | 4 3/8 |
| 590-708 | PSU59015B | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 645-774 | PSU64515 | 110/125 | 5 | 1 13/16 | 4 3/8 |
| 645-774 | PSU64515A | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 708-850 | PSU70815 | 110/125 | 5 | 1 13/16 | 4 3/8 |
| 708-850 | PSU70815A | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 720-864 | PSU72015 | 110/125 | 5 | 1 13/16 | 4 3/8 |
| 720-864 | PSU72015A | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 800-960 | PSU80015 | 110/125 | 5 | 1 13/16 | 4 3/8 |
| 800-960 | PSU80015A | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 815-978 | PSU81515 | 110/125 | 5 | 1 13/16 | 4 3/8 |
| 815-978 | PSU81515A | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 829-995 | PSU82915A | 110/125 | 5 | 1 13/16 | 4 3/8 |
| 829-995 | PSU82915B | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 850-1020 | PSU85015 | 110/125 | 5 | 1 13/16 | 4 3/8 |
| 850-1020 | PSU85015A | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 1000-1200 | PSU100015A | 110/125 | 7 | 2 1/16 | 4 3/8 |
| 1020-1224 | PSU102015 | 110/125 | 7 | 2 1/16 | 4 3/8 |
| 1175-1410 | PSU117515 | 110/125 | 7 | 2 1/16 | 4 3/8 |
| 1280-1536 | PSU128015 | 110/125 | 7 | 2 1/16 | 4 3/8 |
| 21-25 | PSU2165A | 165 | 1 | 1 7/16 | 2 3/4 |
| 25-30 | PSU2565A | 165 | 1 | 1 7/16 | 2 3/4 |
| 30-36 | PSU3065A | 165 | 1 | 1 7/16 | 2 3/4 |
| 36-43 | PSU3665A | 165 | 1 | 1 7/16 | 2 3/4 |
| 43-52 | PSU4365A | 165 | 1 | 1 7/16 | 2 3/4 |
| 47-56 | PSU4765A | 165 | 1 | 1 7/16 | 2 3/4 |
| 53-64 | PSU5365A | 165 | 1 | 1 7/16 | 2 3/4 |
| 64-77 | PSU6465A | 165 | 1 | 1 7/16 | 2 3/4 |
| 72-86 | PSU7265A | 165 | 1 | 1 7/16 | 2 3/4 |
| 88-106 | PSU8865 | 165 | 2 | 1 7/16 | 3 3/8 |
| 88-106 | PSU8865A | 165 | 1 | 1 7/16 | 2 3/4 |
| 108-130 | PSU10865 | 165 | 2 | 1 7/16 | 3 3/8 |
| 108-130 | PSU10865A | 165 | 1 | 1 7/16 | 2 3/4 |
| 124-149 | PSU12465 | 165 | 2 | 1 7/16 | 3 3/8 |
| 124-149 | PSU12465A | 165 | 1 | 1 7/16 | 2 3/4 |
| 130-156 | PSU13065 | 165 | 2 | 1 7/16 | 3 3/8 |
| 130-156 | PSU13065A | 165 | 1 | 1 7/16 | 2 3/4 |
| 145-174 | PSU14565 | 165 | 2 | 1 7/16 | 3 3/8 |
| 145-174 | PSU14565A | 165 | 1 | 1 7/16 | 2 3/4 |
| 161-193 | PSU16165 | 165 | 2 | 1 7/16 | 3 3/8 |
| 161-193 | PSU16165A | 165 | 1 | 1 7/16 | 2 3/4 |

| Cap (μ F) | Catalog Part Number | Voltage (Vac) | Case Code | Diameter \pm .015 (Inches) | Length \pm .06 (Inches) |
|-------------------|------------------------|------------------|--------------|------------------------------------|---------------------------------|
| 189-227 | PSU18965B | 165 | 2 | 1 7/16 | 3 3/8 |
| 189-227 | PSU18965C | 165 | 1 | 1 7/16 | 2 3/4 |
| 216-259 | PSU21665A | 165 | 4 | 1 13/16 | 3 3/8 |
| 233-280 | PSU23365 | 165 | 3 | 1 7/16 | 4 3/8 |
| 233-280 | PSU23365A | 165 | 4 | 1 13/16 | 3 3/8 |
| 243-292 | PSU24365 | 165 | 3 | 1 7/16 | 4 3/8 |
| 243-292 | PSU24365A | 165 | 4 | 1 13/16 | 3 3/8 |
| 270-324 | PSU27065A | 165 | 3 | 1 7/16 | 4 3/8 |
| 270-324 | PSU27065B | 165 | 4 | 1 13/16 | 3 3/8 |
| 324-389 | PSU32465 | 165 | 5 | 1 13/16 | 4 3/8 |
| 324-389 | PSU32465A | 165 | 4 | 1 13/16 | 3 3/8 |
| 340-408 | PSU34065 | 165 | 5 | 1 13/16 | 4 3/8 |
| 340-408 | PSU34065A | 165 | 4 | 1 13/16 | 3 3/8 |
| 378-454 | PSU37865 | 165 | 5 | 1 13/16 | 4 3/8 |
| 378-454 | PSU37865A | 165 | 4 | 1 13/16 | 3 3/8 |
| 400-480 | PSU40065 | 165 | 5 | 1 13/16 | 4 3/8 |
| 400-480 | PSU40065A | 165 | 4 | 1 13/16 | 3 3/8 |
| 430-516 | PSU43065 | 165 | 5 | 1 13/16 | 4 3/8 |
| 430-516 | PSU43065A | 165 | 4 | 1 13/16 | 3 3/8 |
| 460-552 | PSU46065 | 165 | 5 | 1 13/16 | 4 3/8 |
| 460-552 | PSU46065A | 165 | 4 | 1 13/16 | 3 3/8 |
| 540-648 | PSU54065 | 165 | 7 | 2 1/16 | 4 3/8 |
| 540-648 | PSU54065A | 165 | 4 | 1 13/16 | 3 3/8 |
| 21-25 | PSU2135 | 220/250 | 1 | 1 7/16 | 2 3/4 |
| 25-30 | PSU2535 | 220/250 | 1 | 1 7/16 | 2 3/4 |
| 30-36 | PSU3035 | 220/250 | 1 | 1 7/16 | 2 3/4 |
| 36-43 | PSU3635 | 220/250 | 1 | 1 7/16 | 2 3/4 |
| 43-52 | PSU4335B | 220/250 | 2 | 1 7/16 | 3 3/8 |
| 43-52 | PSU4335C | 220/250 | 1 | 1 7/16 | 2 3/4 |
| 47-56 | PSU4735 | 220/250 | 2 | 1 7/16 | 3 3/8 |
| 47-56 | PSU4735A | 220/250 | 1 | 1 7/16 | 2 3/4 |
| 53-64 | PSU5335 | 220/250 | 2 | 1 7/16 | 3 3/8 |
| 53-64 | PSU5335A | 220/250 | 1 | 1 7/16 | 2 3/4 |
| 64-77 | PSU6435 | 220/250 | 2 | 1 7/16 | 3 3/8 |
| 64-77 | PSU6435A | 220/250 | 1 | 1 7/16 | 2 3/4 |
| 72-86 | PSU7235 | 220/250 | 4 | 1 13/16 | 3 3/8 |
| 88-106 | PSU8835 | 220/250 | 4 | 1 13/16 | 3 3/8 |
| 108-130 | PSU10835A | 220/250 | 4 | 1 13/16 | 3 3/8 |
| 124-149 | PSU12435 | 220/250 | 5 | 1 13/16 | 4 3/8 |
| 124-149 | PSU12435A | 220/250 | 4 | 1 13/16 | 3 3/8 |
| 130-156 | PSU13035 | 220/250 | 5 | 1 13/16 | 4 3/8 |
| 130-156 | PSU13035A | 220/250 | 4 | 1 13/16 | 3 3/8 |
| 145-174 | PSU14535 | 220/250 | 5 | 1 13/16 | 4 3/8 |
| 145-174 | PSU14535A | 220/250 | 4 | 1 13/16 | 3 3/8 |
| 161-193 | PSU16135A | 220/250 | 7 | 2 1/16 | 4 3/8 |
| 189-227 | PSU18935A | 220/250 | 7 | 2 1/16 | 4 3/8 |
| 189-227 | PSU18935B | 220/250 | 6 | 2 1/16 | 3 3/8 |

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|-------------------|------------------------|------------------|--------------|-------------------------------------|----------------------------------|
| 216-259 | PSU21635A | 220/250 | 7 | 2 1/16 | 4 3/8 |
| 216-259 | PSU21635B | 220/250 | 6 | 2 1/16 | 3 3/8 |
| 233-280 | PSU23335A | 220/250 | 7 | 2 1/16 | 4 3/8 |
| 233-280 | PSU23335B | 220/250 | 6 | 2 1/16 | 3 3/8 |
| 243-292 | PSU24335 | 220/250 | 7 | 2 1/16 | 4 3/8 |
| 243-292 | PSU24335A | 220/250 | 6 | 2 1/16 | 3 3/8 |
| 270-324 | PSU27035A | 220/250 | 7 | 2 1/16 | 4 3/8 |
| 270-324 | PSU27035B | 220/250 | 6 | 2 1/16 | 3 3/8 |
| 16-20 | PSU1630 | 330 | 2 | 1 7/16 | 3 3/8 |
| 18-22 | PSU1830 | 330 | 4 | 1 13/16 | 3 3/8 |
| 21-25 | PSU2130 | 330 | 1 | 1 7/16 | 2 3/4 |
| 21-25 | PSU2130A | 330 | 2 | 1 7/16 | 3 3/8 |
| 25-30 | PSU2530 | 330 | 2 | 1 7/16 | 3 3/8 |
| 30-36 | PSU3030 | 330 | 2 | 1 7/16 | 3 3/8 |
| 36-43 | PSU3630 | 330 | 2 | 1 7/16 | 3 3/8 |
| 43-52 | PSU4330 | 330 | 2 | 1 7/16 | 3 3/8 |
| 43-52 | PSU4330A | 330 | 4 | 1 13/16 | 3 3/8 |
| 47-56 | PSU4730 | 330 | 4 | 1 13/16 | 3 3/8 |
| 53-64 | PSU5330B | 330 | 4 | 1 13/16 | 3 3/8 |
| 64-77 | PSU6430 | 330 | 4 | 1 13/16 | 3 3/8 |

| Cap (μ F) | Catalog Part Number | Voltage (Vac) | Case Code | Diameter ± 0.015 (Inches) | Length ± 0.06 (Inches) |
|-------------------|------------------------|------------------|--------------|-------------------------------------|----------------------------------|
| 72-86 | PSU7230B | 330 | 5 | 1 13/16 | 4 3/8 |
| 72-86 | PSU7230C | 330 | 4 | 1 13/16 | 3 3/8 |
| 88-106 | PSU8830A | 330 | 5 | 1 13/16 | 4 3/8 |
| 88-106 | PSU8830B | 330 | 4 | 1 13/16 | 3 3/8 |
| 108-130 | PSU10830B | 330 | 7 | 2 1/16 | 4 3/8 |
| 124-149 | PSU12430 | 330 | 8 | 2 9/16 | 4 3/8 |
| 124-149 | PSU12430A | 330 | 7 | 2 1/16 | 4 3/8 |
| 130-156 | PSU13030 | 330 | 7 | 2 1/16 | 4 3/8 |
| 145-174 | PSU14530A | 330 | 7 | 2 1/16 | 4 3/8 |
| 161-193 | PSU16130 | 330 | 8 | 2 9/16 | 4 3/8 |
| 161-193 | PSU16130A | 330 | 7 | 2 1/16 | 4 3/8 |
| 189-227 | PSU18930 | 330 | 8 | 2 9/16 | 4 3/8 |
| 189-227 | PSU18930A | 330 | 7 | 2 1/16 | 4 3/8 |
| 216-259 | PSU21630 | 330 | 8 | 2 9/16 | 4 3/8 |
| 216-259 | PSU21630A | 330 | 7 | 2 1/16 | 4 3/8 |
| 270-324 | PSU27030 | 330 | 8 | 2 9/16 | 4 3/8 |
| 270-324 | PSU27030A | 330 | 7 | 2 1/16 | 4 3/8 |
| 378-454 | PSU37830 | 330 | 8 | 2 9/16 | 4 3/8 |
| 460-552 | PSU46030 | 330 | 8 | 2 9/16 | 4 3/8 |

| Case Code | Inches | | |
|--------------|----------------------|------------------------|-------------------------------|
| | D (± 0.015) | L (+0.020 / -0.030) | Terminal Spacing (nom.) |
| 1 | 1 7/16 (1.4375) | 2 3/4 (2.750) | 1/2 (0.500) |
| 2 | 1 7/16 (1.4375) | 3 3/8 (3.375) | 1/2 (0.500) |
| 3 | 1 7/16 (1.4375) | 4 3/8 (4.375) | 1/2 (0.500) |
| 4 | 1 13/16 (1.8125) | 3 3/8 (3.375) | 5/8 (0.625) |
| 5 | 1 13/16 (1.8125) | 4 3/8 (4.375) | 5/8 (0.625) |
| 6 | 2 1/16 (2.0625) | 3 3/8 (3.375) | 7/8 (0.875) |
| 7 | 2 1/16 (2.0625) | 4 3/8 (4.375) | 7/8 (0.875) |
| 8 | 2 9/16 (2.5625) | 4 3/8 (4.375) | 7/8 (0.875) |

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