

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) |
| RoHS Compliant | |

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) | C (Ref.) |
| 1 | 1-7/16 (1.4375) | 2-3/4 (2.750) | 1/2 (.500) |
| 2 | 1-7/16 (1.4375) | 3-3/8 (3.375) | 1/2 (.500) |
| 3 | 1-7/16 (1.4375) | 4-3/8 (4.375) | 1/2 (.500) |
| 4 | 1-13/16 (1.8125) | 3-3/8 (3.375) | 5/8 (.625) |
| 5 | 1-13/16 (1.8125) | 4-3/8 (4.375) | 5/8 (.625) |
| 6 | 2-1/16 (2.0625) | 3-3/8 (3.375) | 7/8 (.875) |
| 7 | 2-1/16 (2.0625) | 4-3/8 (4.375) | 7/8 (.875) |
| 8 | 2-9/16 (2.5625) | 4-3/8 (4.375) | 7/8 (.875) |

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