



500VDC Rated Aluminum Electrolytic Capacitors

Designed for use in rectified VAC input circuits, power factor correction circuits, green power inverters, power conditioning and white goods inverter applications.

Type	Series	Capacitance	Ripple Current Rating	Load Life Rating
Screw Terminal	NSTL	1200uF to 12,000uF	Up to 39.1Arms / 5KHz Up to 30.1Arms / 120Hz	5000 Hrs (+85°C)
Snap-In	NRLPW	56uF to 560uF	Up to 1.35Arms / 10~50KHz Up to 970mArms / 120Hz	5000 Hrs (+105°C)
Radial LDD	NRB-XS	10uF to 47uF	Up to 880mArms / 100KHz Up to 350mArms / 120Hz	10,000 Hrs (+105°C)

Conventional 400VDC and 450VDC rated aluminum electrolytic capacitors have been widely used as input smoothing capacitor for power supply and general-purpose inverter applications.

Requirements from solar inverter (green power) market for higher voltage capacitors, fueled development of 500VDC rated NSTL series. Power loss is proportional to square of current (I^2R), so higher operating voltage (VDC) results in lower operating current and reduces power loss.

Expansion of NSTL series to 500VDC rating uses new electrolyte system, having high withstanding voltage with low resistance, combined with robust anode foil for high reliability.



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