



# Type BLS, 125°C DC Link Capacitors for Harsh Environments

85°C / 85% RH , 2000h @ Vr, AEC-Q200 Qualified

Type BLS DC Link capacitors use the most advanced construction and technology to meet the challenges of harsh environments with operating temperatures to 125°C. Tested for 2,000-hour at 85°C / 85% relative humidity with rated voltage applied (100% greater than competitive THB test life). The series is qualified to automotive-grade electrical and mechanical testing per standard AEC-Q200.

## HIGHLIGHTED CAPABILITIES:

- High capacitance
- 125°C rated
- High ripple current
- Self-healing and low loss
- THB 85°C / 85% RH 2000 h at rated voltage



## SPECIFICATIONS:

|                             |   |
|-----------------------------|---|
| Capacitance Range           | 1 µF to 220 µF  |
| Capacitance Tolerance       | ±10% standard, ±5% optional   |
| Rated Voltage               | 450 to 1200 Vdc   |
| Operating Temperature Range | -55°C to 125°C<br>(85°C ~125°C, decreasing factor 1.25% per °C for Rated Voltage) |
| Life Expectancy             | 100,000 h @ 70°C hot spot, rated voltage  |
| THB Rating                  | 85°C / 85% RH - rated voltage - 2000 h  |

## TYPICAL APPLICATIONS:

- Solar
- EV, and other inverters
- Backup
- UPS
- Portable power systems
- Motor drives
- Traction
- Other transportation systems

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