

COMPACT

MB CAP ULTRA 40/24 3.6S

THE BUFFER MODULE FOR MAXIMUM SYSTEM AVAILABILITY

Voltage fluctuations are a common problem in industrial and commercial environments. They occur more and more often since power distribution systems are becoming more complex.

These fluctuations have considerable consequences: Production processes are interrupted, machines stop working, systems have to be reconfigured. This costs time and money. If worse comes to worst, system interruptions may cause data loss and machine damage.

Murrelektronik's MB Cap Ultra modules are buffer modules that ensure stable power supply, guaranteeing safe industrial processes.

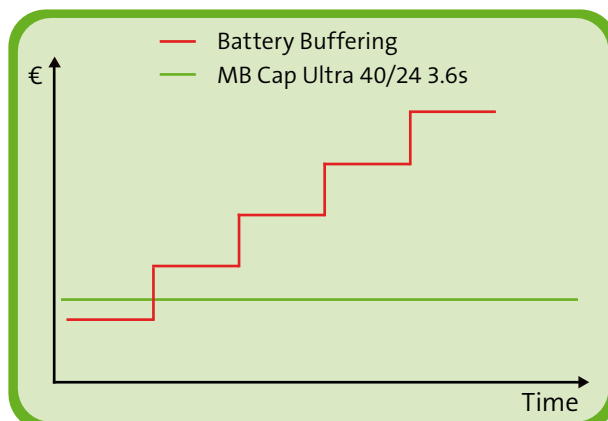
With MB Cap Ultra 40/24 3.6s (Article No. 85469) Murrelektronik expands this successful product family. This new component buffers 40 A load current at a nominal voltage of 24 V DC for 3.6 seconds.



40 A

EXTREMELY COST-EFFECTIVE

MB Cap Ultra 40/24 3.6s is equipped with ultra capacitors that are maintenance-free for the life of the component which makes it extremely cost-effective. They do not require expensive service work to change the batteries.

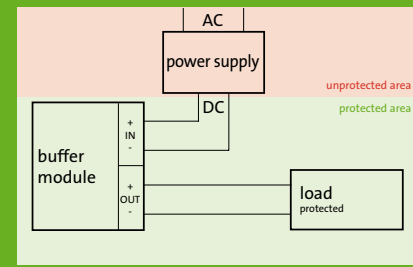


YOUR BENEFITS

- Lifetime maintenance-free by using ultra capacitors
- Buffer time up to 3.6 seconds at full load
- No splitting loads into buffered and unbuffered areas
- Potential-free alarm contacts for supply voltage, charging state and failures
- Pluggable spring clamp terminals with push-in technology
- Cost-effective — no batteries to exchange

APPLICATION

With MB Cap Ultra 40/24 3.6s (Art. 85469), you can create complete 40 A power supply systems without having to split the loads into buffered and unbuffered areas.



MB CAP OVERVIEW

| Load current | Buffer time Seconds | | | | | | | | | Minutes | | | | | | | |
|--------------|------------------------|-----|---|-----|---|---|----|----|----|---------|---|---|---|---|---|---|---|
| | 0.2 | 0.5 | 1 | 3.6 | 4 | 7 | 16 | 21 | 38 | 1 | 2 | 4 | 3 | 5 | 6 | 7 | 8 |
| 1 A | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 3 A | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 5 A | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 10 A | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | |
| 20 A | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 40 A | ● | ● | ● | ● | | | | | | | | | | | | | |

● MB Cap 20 A/0,2 sec | 85394

● MB Cap Ultra 3 A/7 sec | 85460

● MB Cap Ultra 10 A/38 sec | 85467

● MB Cap Ultra 40A/3.6 sec | 85469

● MB Cap Ultra 20 A/16 sec | 85468

TECHNICAL DATA MB CAP ULTRA 40/24 3.6S

| | | |
|--------------------------|---|-----------------|
| Ordering data | | Art. No. |
| 24 V DC/40 A (SELV/PELV) | | 85469 |
| Input | | |
| Input voltage | 21.6 26.4 VDC | |
| Nominal current | 40 A | |
| Charging time | typ. 140 sec; max 300 sec | |
| Output | | |
| Output voltage | 19 - 25.5 V | |
| Nominal output current | 40 A | |
| Buffer time | 3.6 sec (40 A)...170 sec (1 A) | |
| Efficiency | >90 % | |
| Other | | |
| Standards | EN 61000-6-2, EN 61000-6-4 | |
| Temperature range | -20...+ 60 °C (storage temperature -20...+ 60 °C) | |
| Mounting method | DIN-rail mounting TH35-7.5/TH 35-15 (EN 60715) | |
| Weight | 2.1 kg | |