



# MASTERYS Battery Cabinets

from 10 to 120 kVA

the value of your back-up time

## Total protection during downtime

- Designed to satisfy and respect safety protection standards (EN 50272-2 and EN 62040-1).
- The right size of protection device tailored to your power rate.
- Robust cabinet also suitable for industrial applications with the IP32 protection degree.
- EBS management.
- Normal and long-life batteries.
- Fitting with different battery brands.
- Battery Health Check monitoring.

## Easy installation and maintenance

- Transport and positioning with fork-lift.
- Frontal protection switch/breaker.
- Frontal input output connections (type A cabinet).
- Easy battery replacement.
- Fitting for rigid cables and cable-glands.
- Suitable for tripping coil contact (type B cabinet).
- Height aligned with UPS.

## Complementary pages

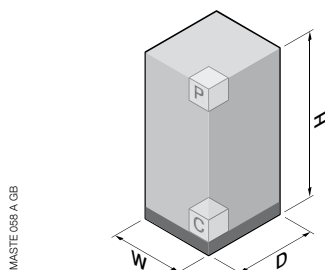
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## Coordination of protection for your safety

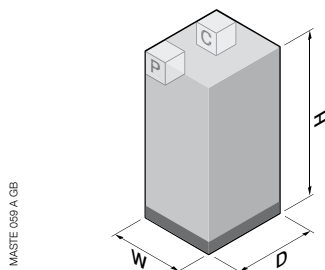
Different protection devices tailored to your UPS range:

- Switch/Breaker with fuse (type A cabinet)
- Magnetothermal MCCB (type B cabinet)

The size is calculated on the different discharge currents ensuring the proper tripping time.



Type A



Type B

Key:

C: connections  
P: protections

## Technical data

| Cabinet                                   | type A  | type B          |
|---|---|-----------------|
| Dimensions WxDxH                          | 600x835x1400 mm   | 800x880x1930 mm |
| Standard degree of protection             | IP20 (according to IEC 60529)   |                 |
| Optional degree of protection             | IP32  | -               |
| Operating temperature                     | 0÷40 °C (15÷ +25 °C recommended for long battery life)  |                 |
| Ambient storage and transport temperature | -5 °C ÷ +40 °C max (recommended: 25 °C)   |                 |
| Relative humidity (condensation-free)     | up to 95%   |                 |
| Battery recharging                        | Tambient ≤ 25 °C: every 6 months<br>25 °C ≤ Tambient ≤ 30 °C: every 4 months<br>30 °C ≤ Tambient ≤ 35 °C: every 3 months<br>35 °C ≤ Tambient ≤ 40 °C: every 2 months<br>Tambient > 40 °C: not recommended |                 |

## Safety

|                       |                        |
|-----------------------|------------------------|
| Conforms to standards | EN 50272-2, EN 62040-1 |
| Product certification | CE                     |

Please contact SOCOMEC for specific battery brands and custom solutions.

## MASTERYS BC

|                                  | BC 60 |           | BC 80 |      | BC 100 |      | BC 120 |      |
|----------------------------------|-------|-----------|-------|------|--------|------|--------|------|
| N° of cabinet                    | 1     | 2         | 1     | 2    | 1      | 2    | 1      | 2    |
| Cabinet type                     | A     | A/B       | A     | A    | B      |      | B      |      |
| Typical BUT (min) <sup>(1)</sup> | 19    | 60/143    | 12    | 42   | 34     | 88   | 28     | 66   |
| Weight (kg)                      | 788   | 1690/3480 | 788   | 1690 | 1792   | 3480 | 1792   | 3480 |

(1) Max BUT @ 70% of the load

## Green Power 2.0

|                                  | GP 10 |           | GP 15 |           | GP 20 |           | GP 30 |           | GP 40 |           | GP 60 |           | GP 80 |           | GP 100 |      | GP 120 |      |
|----------------------------------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|--------|------|--------|------|
| N° of cabinet                    | 1     | 2         | 1     | 2         | 1     | 2         | 1     | 2         | 1     | 2         | 1     | 2         | 1     | 2         | 1      | 2    | 1      | 2    |
| Cabinet type                     | A     | A/B       | A     | A/B       | A     | A/B       | A     | A/B       | A     | A/B       | A     | A/B       | A     | A/B       | B      |      | B      |      |
| Typical BUT (min) <sup>(1)</sup> | 210   | 533/1123  | 125   | 361/770   | 96    | 262/516   | 55    | 160/340   | 37    | 113/251   | 21    | 71/152    | 13    | 46/109    | 34     | 88   | 28     | 66   |
| Weight (kg)                      | 788   | 1753/3480 | 788   | 1753/3480 | 788   | 1753/3480 | 788   | 1753/3480 | 788   | 1753/3480 | 847   | 1753/3480 | 847   | 1753/3480 | 1792   | 3480 | 1792   | 3480 |

(1) Max BUT @ 70% of the load

## MASTERYS IP+

|                                  | IP+ 10 |           | IP+ 15 |           | IP+ 20 |           | IP+ 30 |           | IP+ 40 |           | IP+ 60 |           | IP+ 80 |           |
|----------------------------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|
| N° of cabinet                    | 1      | 2         | 1      | 2         | 1      | 2         | 1      | 2         | 1      | 2         | 1      | 2         | 1      | 2         |
| Cabinet type                     | A      | A/B       | A      | A/B       | A      | A/B       | A      | A/B       | A      | A/B       | A      | A/B       | A      | A/B       |
| Typical BUT (min) <sup>(1)</sup> | 207    | 526/1115  | 121    | 351/747   | 94     | 257/502   | 54     | 157/332   | 36     | 112/246   | 18     | 59/141    | 12     | 42/104    |
| Weight (kg)                      | 788    | 1753/3480 | 788    | 1753/3480 | 788    | 1753/3480 | 788    | 1753/3480 | 788    | 1753/3480 | 788    | 1690/3480 | 788    | 1690/3480 |

(1) Max BUT @ 70% of the load

## MASTERYS EM

|                                  | EM 10 |           | EM 15 |           | EM 20 |           | EM 30 |           | EM 40 |           | EM 60 |           | EM 80 |           |
|----------------------------------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|
| N° of cabinet                    | 1     | 2         | 1     | 2         | 1     | 2         | 1     | 2         | 1     | 2         | 1     | 2         | 1     | 2         |
| Cabinet type                     | A     | A/B       | A     | A/B       | A     | A/B       | A     | A/B       | A     | A/B       | A     | A/B       | A     | A/B       |
| Typical BUT (min) <sup>(1)</sup> | 211   | 536/1127  | 125   | 361/770   | 96    | 262/516   | 55    | 160/340   | 36    | 112/246   | 19    | 60/143    | 12    | 42/105    |
| Weight (kg)                      | 788   | 1753/3480 | 788   | 1753/3480 | 788   | 1753/3480 | 788   | 1753/3480 | 788   | 1753/3480 | 788   | 1690/3480 | 788   | 1690/3600 |

(1) Max BUT @ 70% of the load

## MASTERYS EL

|                                  | EL 10 |           | EL 15 |           | EL 20 |           | EL 30 |           | EL 40 |           |
|----------------------------------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|
| N° of cabinet                    | 1     | 2         | 1     | 2         | 1     | 2         | 1     | 2         | 1     | 2         |
| Cabinet type                     | A     | A/B       | A     | A/B       | A     | A/B       | A     | A/B       | A     | A/B       |
| Typical BUT (min) <sup>(1)</sup> | 207   | 526/1115  | 121   | 351/747   | 94    | 258/505   | 54    | 157/332   | 35    | 110/242   |
| Weight (kg)                      | 788   | 1753/3480 | 788   | 1753/3480 | 788   | 1753/3480 | 788   | 1753/3480 | 788   | 1753/3480 |

(1) Max BUT @ 70% of the load