

# Group Battery System CG 2000

## Technical Data

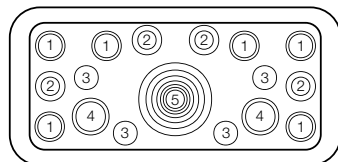


CG 100 Plus



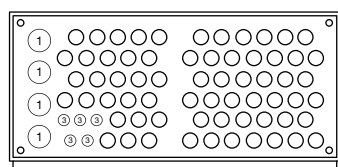
CG 200 Plus

- 1 = M16/M20
- 2 = M12/M20
- 3 = M16
- 4 = M20/M25
- 5 = M12/M16/M20/M25/M32/M40/M50



Prepunched cable entries  
CG 100 Plus

- Cable entries from top prepunched roof sheeting
- 1 = 4 x M32
  - 2 = 65 x M20/M25
  - 3 = 5 x M16



Prepunched cable entries  
CG 200 Plus

### CG 100 Plus / CG 200 Plus

	CG 100 Plus LP	CG 100 Plus	CG 200 Plus
Converter bays	5	5	10
Option bays	3	3	3
I max. (A) from battery	7.6 A	17.5 A	35 A
max. battery capacity (Ah <sub>K10</sub> ; 1,8V/Z, +20°C)	4 x 8.5 Ah	4 x 23.3 Ah	4 x 53.7 Ah
Dimensions (mm)			
H	1100 mm	1100 mm	1800 mm
B	500 mm	500 mm	600 mm
T	180 mm	180 mm	300 mm
Max. ambient temperature	-5 °C to +35 °C	-5 °C to +35 °C	-5 °C to +35 °C
Degree of protection	IP 21	IP 21	IP 21
Weight (approx. kg) without battery and converter	35.5 kg	35.5 kg	110.0 kg
Pre-stamped holes for M-cable entries	17	17	30

Converter bays to terminals connected: Insulation class I, degree of protection IP 21

### Ordering details

Type	Model	Order No.
CG 100 Plus LP	Cabinet with control module, 1 charging module, converter and empty option bays for 5.5 and 8.5 Ah batteries	4 0071 360 320
CG 100 Plus	Cabinet with control module, 1 charging module, converter and empty option bays	4 0071 346 720
CG 200 Plus	Cabinet with control module, 1 charging module, converter and empty option bays	4 0071 347 685

### Battery

Rated capacity Ah <sub>K10</sub> , 1,8V/Z, +20°C	Dimensions of one battery L x B x H (mm)	No. of batteries U <sub>B</sub> = 12 V pcs.	Total weight of all batteries kg
7 J: 50.0 Ah	261 x 135 x 230	4	74
12 J: 5.5 Ah	152 x 65.5 x 98.4	4	10
12 J: 8.5 Ah	152 x 98 x 98.4	4	14.4
10 J: 23.3 Ah	164 x 129 x 162	4	38
12 J: 32.0 Ah	198 x 133 x 185	4	48
10 J: 53.7 Ah	220 x 172 x 235	4	90

### Ordering details

Type	Model (4 pcs. required)	Order No.
48 V 50.0 Ah	Battery set with 7 years service life	4 0066 042 443
48 V 5.5 Ah	Battery set with 12 years service life	4 0071 360 381
48 V 8.5 Ah	Battery set with 12 years service life	4 0071 360 382
48 V 23.3 Ah	Battery set with 10 years service life	4 0071 347 690
48 V 32.0 Ah	Battery set with 12 years service life	4 0071 347 691
48 V 53.7 Ah	Battery set with 10 years service life	4 0071 360 384

Operating service life for max. battery temperature +20 °C

### Ordering details accessories

Type	Model	Order No.
Spare part	Fuse 4 AT (5.0 x 20) 250 V (PU 10 pcs.)	4 071 070 718

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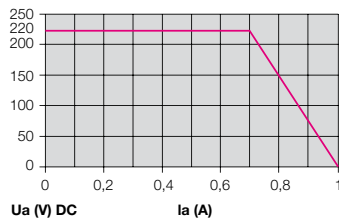
### LWE 150 CG-S converter

The converter supplies and monitors emergency luminaires with electronic ballasts for DC operation.

The output voltage during battery operation is 220 V DC.

The CEWA GUARD monitoring station checks the function of the connected luminaire. It is possible to connect up to 20 luminaires.

Ua (V) Output voltage  
LWE 150 CG-S during battery  
operation



Mechanical construction	Printed circuit
Slots	1
Fusing	2 AT / 250 V 5 x 20 mm
max. continuous output battery operation	150 W
max. start output (< 1 min.) in battery operation	270 W
max. output during mains operation	460 VA
max. inrush current converter output	120 A/ms
for luminaires	EVG
Weight	0.42 kg
Status-LED	- ON - FAULT

### Ordering details

Type	Model	Order No.
LWE 150 CG-S	Converter	4 0071 346 640

Luminaire series	Type of luminaire	Luminaire output [W]*	Battery operation incl. converter efficiency [W]*	Mains operation [VA]*	Inrush current [A]
GuideLed	10011 ... 10026 CG-S	1.9	2.2	4.0	1.5
	10021 ... 10026 CG-S	2.9	3.4	5.5	
	11011 ... 11026 CG-S	2.6	3.1	5.0	
	11021 ... 11026 CG-S	4.1	4.8	7.1	
	13011 ... 13022 CG-S SL	5.0	5.9	8.5	
	10011 ... 10013 CG-S FSL	4.0	4.7	7.2	
Style Variant	29011 LED CG-S	4.4	5.2	7.6	
	29021 LED CG-S	5.8	6.8	9.5	
Spirit LED	Spirit LED 16	1.7	2.0	3.8	
	Spirit LED 28	3.7	4.4	6.6	
Brilliant LED	1503 ... 1803 LED CG-S	2.9	3.4	5.5	
	1504 ... 1804 LED CG-S	4.1	4.8	7.1	
	1903 LED CG-S	3.0	3.5	5.5	
Aluminium enclosure	70011 LED CG-S	2.0	2.4	4.36	
	70021 LED CG-S	3.1	3.6	5.8	
	71011 LED CG-S	3.1	3.6	5.8	
	71021 LED CG-S	5.8	6.8	9.5	
Ceiling mounting	3503.1 LED CG-S	4.4	5.2	7.6	
	3604.1 LED CG-S	5.8	6.8	9.5	
Atlantic	Atlantic LED S CG-S	5.0	5.9	8.5	
	Atlantic LED D CG-S	5.0	5.9	8.5	
	Atlantic LED R/O/Wall CG-S	5.0	5.9	8.5	

\* Power consumption from battery and from mains at 20° C ambient temperature at the luminaire