

CeaGuard 48



CeaGuard 48 (23.3 Ah)

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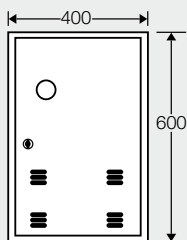
The CeaGuard 48 is designed for the supply and monitoring of 48 emergency luminaires with CEWA GUARD monitoring in maintained, non-maintained or switched maintained light mode. The CeaGuard system features a maintenance-free, completely sealed lead-acid battery for 1 or 3 h duration emergency lighting. The batteries are gently charged according to an I/U charging characteristic. Due to a patented charge monitoring method, a failure in the battery circuit is immediately indicated. Max. four inverters supply and monitor max. 12 CEAG emergency luminaires each in mains and battery operation. The control module with 2-line display indicates any changes in the operating state of the complete emergency lighting system. Via potential-free indicator contacts or an E/G/A data interface, the status messages can be transmitted to a central monitoring station.

Mechanical design

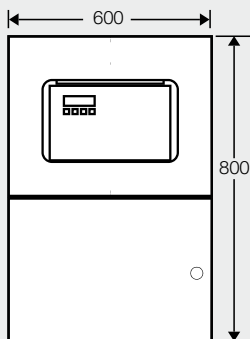
A sheet steel enclosure with separate enclosure section for accommodating the battery. Interior cover for the protection of the electronic components in blue, with block diagram and all relevant technical data. Enclosure with internal earthing studs. Cable feed-through from above. Battery enclosure section with ventilation slots in bottom third. Enclosure door hung on the right with viewing window for the optical status indication on the 23.3 Ah version. The 59.2 Ah version has a door hung on the left, opening angle 180°, with transparent polycarbonate cover for the electronic components.

Electrical construction

The converter and charger are connected via 32-pole plug-in connections with the connection module. The control unit that is also the termination contains all operation and signal functions as well as potential-free signal contacts. Connection of the 230 V mains supply is via a separate series terminal. Connection of the end circuit and control lines is via a 2.5 mm² connection terminal on the connection module. The fuses of the individual modules are easily accessible on the control unit front.



Depth: 160



Depth: 350

Mains voltage	230/240 V 50/60 Hz	
Input filter	250 V/3 A, 50/60 Hz, Temp = 40 °C	
Output voltage	in mains operation	230/240 V 50/60 Hz
	in battery operation	220 V DC
Degree of protection	23,3 Ah Version	IP 20 (electronic-battery compartment)
	59,2 Ah Version	IP 54 (electronics compartment), IP 21 (battery cabinet)
Insulation class	I	
Battery	23,3 Ah Version	2 x 12 V 23.3 Ah OGIV
	59,2 Ah Version	2 x 12 V 59.2 Ah OGIV
Weight approx.	23,3 Ah Version	29 kg incl. battery
	59,2 Ah Version	85 kg incl. battery
Dimensions (mm)	23,3 Ah Version	400 x 600 x 160
B x H x T	59,2 Ah Version	600 x 800 x 350
Mounting	Wall mounting	
Cable entry	Metall-flange plate, top	
Number of luminaires per circuit	12 pcs. (dep. from luminaire load)	
Number of circuits per cover	4 pcs.	
Total no. of luminaires	max. 48 pcs.	
Rated operating time	1, 2 or 3 h	
Permissible ambient temperature	-5 °C to +40 °C	

Ordering details

Type	Scope of supply	Housing colour	Order No.
CeaGuard 48/23.3	Battery 23.3 Ah/4 circuit	RAL 7032	4 0071 341 105
CeaGuard 48/59.2	Battery 59.2 Ah/4 circuit	RAL 7032	4 0071 346 195