15393 - Quantec Battery and Power Supply Cabinet QLS3- RPI 240W

Key features

- Compact design with integrated battery
- Integrated electronics for battery monitoring
- Potential-free relay contacts for status signalling
- Terminal blocks for up to 3 obstacle lights, a visibility sensor and tower lights
- Simultaneous activation of tower lights (controlled by main obstacle lights)
- High-quality VRLA lead/calcium GEL batteries for high reliability and long service life
- Built in overvoltage protection: Class III according to IEC61643-11

*The available output power depends on the temperature and the operating mode. The mains adapter provides 10 A at a temperature of 25 °C and 7 A at 55 °C. The output current of the cabinet has to be reduced by 2.7 A during times where the integrated battery is charged. Therefore the total output current should be limited to 4.3 A.

**The available capacity of the battery depends on the temperature and discharge current. Low temperatures and/or high discharge currents may reduce the available capacity dramatically! The ideal temperature is between 20 °C and 25 °C.

Relay contact ratings

Maximum voltage	30 V AC 60 V DC
Maximum current	0.5 A AC 0.3 A DC

Technical specifications

General

Order number	15393
Terminal blocks for	• Mains • 3 Quantec obstacle lights • Visibility sensor • Tower light extension ports • Signaling • BNK Interface (only with USB-Stick with additional software, not scope of supply) • PC service port (Beacon 3 port)
Signaling	Potential-free relay contacts for signaling of • Obstacle light errors • Mains failure • UPS-Warning
Conformity	CE, RoHS

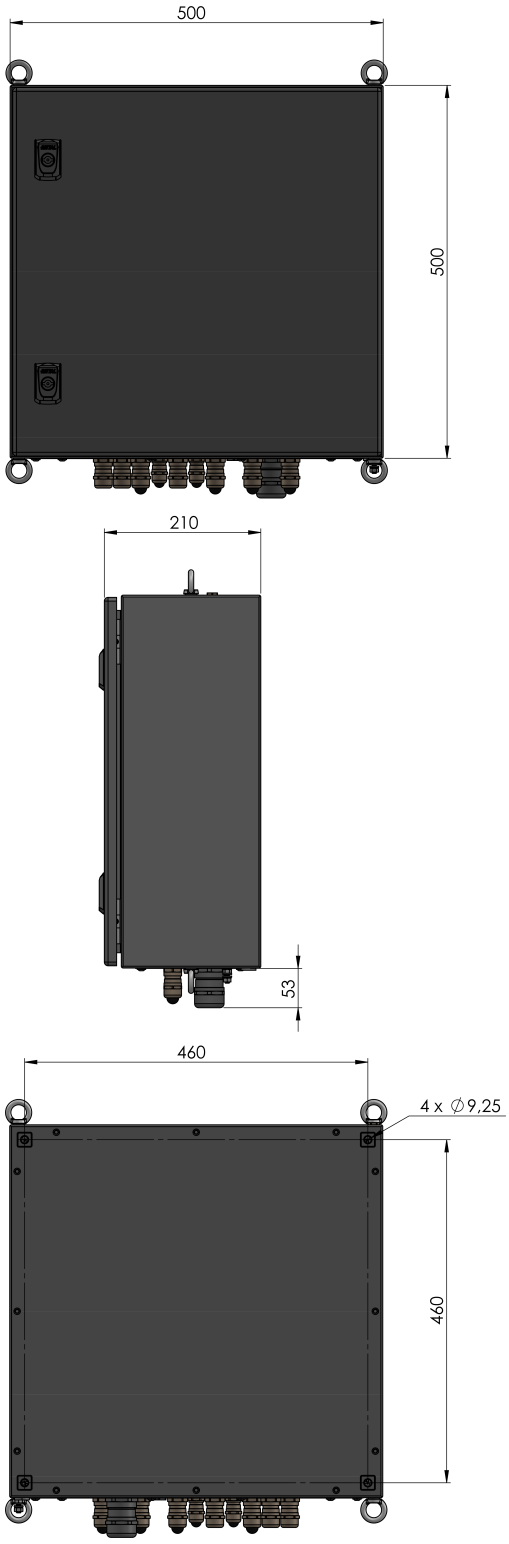
Electrical characteristics

Rated voltage	230 V AC ± 10%
Rated frequency	50/60 Hz
Rated current	1.3 A
Inrush current	55 A
Powerfactor	0.94
Output voltage and current	24 V, 2 × 5 A (240 W)*
Energy storage	Approx. 960 Wh (12 V × 80 Ah) (at 25 °C)**

Physical characteristics

Dimensions (H × W × D)	cabinet only	500 mm × 500 mm × 210 mm
	with cable gland and eyebolts	570 mm × 500 mm × 210 mm
	mounting dimensions	615 mm × 500 mm × 210 mm
Weight		Approx. 47 kg
IP rating		IP 66

Drawings



Environmental specification

Operating temperature	-20 °C to +55 °C (-4 °F to 131 °F)
Storage temperature	-20 °C to +55 °C (-4 °F to 131 °F)
Relative humidity	5 to 95% r. H.
Operating altitude	0 to 2000 m (0 to 6560 ft)

Battery

Number of installed batteries	1
Type of installed batteries	GEL VRLA 80 Ah
Voltage battery / total system	12 V / 12 V