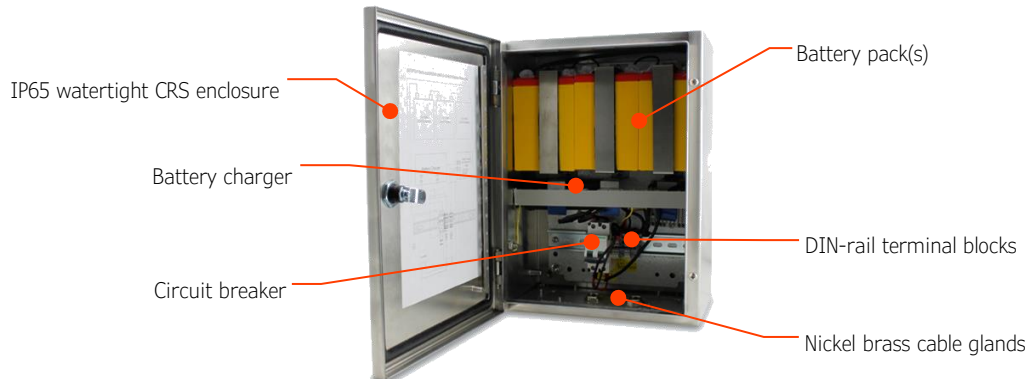


Backup Battery Box for DC Obstruction lighting System

Backup DC obstruction lighting system



OVERVIEW

Using REDDOT backup battery box for DC obstruction lighting systems is an ideal solution during the DC power outage.

The main components are composed of chargeable VRLA battery packs and a battery charger. The backup battery box can accept 85-265VAC, 48VDC or 24VDC. For example, typical 48VDC power used in telecommunication, when 48VDC power input loss occurs, the battery box takes over powering the obstruction lighting system. When the 48VDC main power source is recovered, it continues supplying power to the obstruction lighting system meanwhile charging batteries.

The battery box capacity is subject to the power consumption of the obstruction lighting system and backup hours requested by users.

FEATURES

- Input voltage: 85-265VAC/48VDC/24VDC
- Output voltage: 48VDC/24VDC
- Backup DC obstruction lighting system after power loss
- Battery charger with 3-stage charging curve to protect battery pack from overcharging
- Outdoor type, IP65
- Customizable battery pack capacity

APPLICABLE OBL MODELS

- 48VDC/24VDC obstruction lights and control boxes



SPECIFICATIONS

Item		DC backup Specifications
POWER SUPPLY	Input voltage	85-265VAC/48VDC/24VDC
	Output voltage	48VDC / 24VDC
	Battery Capacity	Subject to obstruction lighting system
	Backup hours	Depends on request
MECHANICAL STRUCTURE	Enclosure Type	Outdoor
	Enclosure Material	Cold-rolled steel / SS304
	Protection	IP65
	Weight	8-15KG
	Dimension (H*W*Depth)	422*300*200mm / 522*400*200mm
	Operaton Temperature	-30°C~+60°C
	Operation Humidity	20-95% RH non-condensing
Mounting	Wall mounting or U-bolt mounting	

ORDERING CODE

Series	Input voltage	Output voltage (Note 3)	Battery Voltage (Note 1)	Battery capacity (Note 2)	Enclosure material
BKD	A220 (85-265VAC)	D48 (48VDC)	Variable	Variable	SS (SS304) CRS (Cold-rolled steel)
	A120 (85-265VAC)	D24 (24VDC)			
	D48 (48VDC)				
	D24 (24VDC)				

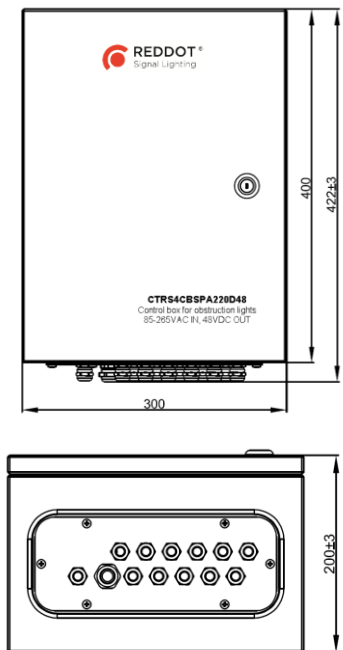
Notes: 1) Battery voltage is the voltage after batteries connected in series and/or parallel.

2) Battery capacity is the capacity after batteries connected in series and/or parallel.

3) When output voltage is 48VDC, input can only be 85-265VAC / 48VDC.

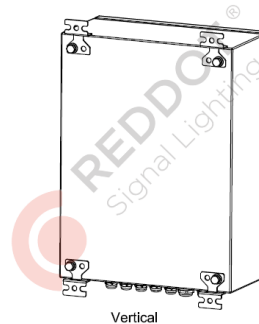
E.g.: BKD-D48D48-3615-SS = Backup battery box, 48VDC input, 48VDC output, with 36VDC 15Ah battery, SS304 enclosure

DIMENSIONS

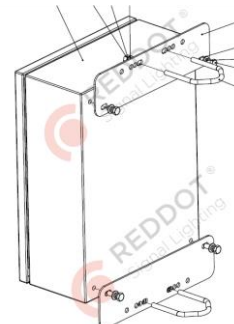


MOUNTING

Wall Mounting



U-bolt Mounting



APPLICATION EXAMPLES

- One medium intensity beacon and three low intensity obstruction lighting AC system (1F864-30L32S-C-AC)

