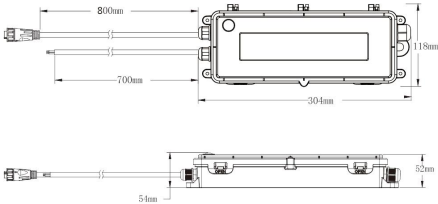


STB64T



Dimensions



Ordering data

Model No.	Rated input	Rated Output	Emergency time	Battery pack
STB64T-04WL-553	AC220-240V,50/60Hz, 50mA 4.5W max P.F: 0.5	DC 20-55V 4W max	>180 minutes	LiFePO ₄ 6.4V 3.3Ah, 21.12Wh HT IFR26650×2 pcs,2s1p
STB64T-06WL-553	AC220-240V,50/60Hz, 80mA 5W max P.F: 0.5	DC 20-55V 6W max	>180 minutes	LiFePO ₄ 9.6V 3.3Ah, 31.68Wh HT IFR26650×3 pcs,3s1p

Type	STB64T
Notes	Draft version by JL
Catalog Number	Rev.01_2023-12-06

Applications

- Suit for 5W to 300W lamp with external Led driver.
- Used with LiFePO₄ battery.
- Self-test function. Comply with IEC62034 self-test standard.
- Constant power output.
- LED emergency converter that can transfer standard LED.
- Input over current protection.
- Output over voltage protection.
- Output under current protection.
- Output short circuit protection.
- Battery pack with built-in charging and discharging protection board.
- Ambient range ta 0...60°C



Install

- Installed on the back of the panel requires safety and fixation.
- Only professional people (e.g. electrical Engineer) can wire it.
- Please confirm that the electrical parameters of this product match with the luminaire.
- Please check the wiring method carefully before installation.
- Please power off mains supply before installation, and confirm the wiring is correct, then connect the battery, the last step is to turn on mains supply.

Wiring diagram

AC input

Wire color	Connection
2	Switched AC Line
1	AC Line
	Earth
N	Neutral

0.5-1.0

 12 mm
 wire preparation

Output LEDS

Hole site	Connection
1	LED+
2	LED-

Output to lamp

Hole site	Connection
	AC line(Lamp)
	Ground(Lamp)
	Neutral(Lamp)



LED indicator status

	Off: Battery disconnected or mains supply not disconnected
	Green stable: Battery charging or fully charged

Test switch

The test button is an open switch, if you press it, it connects, and then you release it, it cuts off automatically.

When you are doing the daily maintenance, if you press the test button, the emergency driver goes into emergency mode, if you release the button, the emergency driver will go back to normal mode.

LED indicator

It can reflect charging or not charging. LED charging monitor will be light if battery is connected while it will be off without battery connecting.

Self-test

The emergency kits carry out self-tests automatically to ensure its functionality.

The self-test includes 3 types of tests:

Initial test

- As soon as mains supply is connected, the emergency kit will carry out a 3-seconds functional test automatically.
- In case of a failure, the LED will turn permanent red. Otherwise, the charge mode will start.

Functional test

- Refers to charging, discharging and the functioning of load.
- Carry out for 10 seconds automatically every 30 calendar days.

Duration test

- Refers to the test of batteries capacity.
- Carry out every 180 calendar days.

Rest mode

Rest mode can be initiated during emergency mode by pressing test switch longer than 3 seconds.

The rest mode will be exited automatically after reconnect AC mains.

Please note

If mains supply is off during self-test period, emergency conversion module would terminate self-test immediately and go into emergency mode.

Self-test is under the regulation of EN 62034.

Explanation of LED indicator

State	Color	LED indication	Status	Comment
	Green	Slow flashing green (3 sec on, 1 sec off)	Charging Mode	AC mode
	Green	Permanent green	Fully Charged	AC mode
	Green	Fast flashing green (0.1 sec on, 0.1 sec off)	Function test underway	
	Green	Slow flashing green (1 sec on, 1 sec off)	Duration test underway	
	Red	Permanent red	Load failure	Open circuit/ Short circuit Led failure (emergency mode)
	Red	Slow flashing red (1 sec on, 1 sec off)	Battery failure	Battery failed the duration test or function test / No battery
		Green and red off	DC mode	Battery operation (emergency mode)

Test switch

The test button is a open switch , if you press it , it connects, and then you release it , it cuts off automatically.

When you are doing the daily maintenance , if you press the test button, the emergency driver goes into emergency mode,

if you release the button, the emergency driver will go back to normal mode.

Attention

- To guarantee the rated discharge time, please charge the battery for more than 12 hours.
Please ensure that the voltage is 80% higher than the rated voltage, less than 110% of the highest rated voltage.
- Charge and discharge cycle needs to be done at least once every three months, and the continuous charging time can not exceed 3 months.

Warranty

- Warranty 5 years, Battery pack 5years
- Except for the following circumstances:
 - 1) Improper installation or operation.
 - 2) Misuse.
 - 3) Abuse.
 - 4) Unauthorized or improper repair alteration.
 - 5) Accident or negligence in use, storage, transportation.
 - 6) Any natural acts.

* If users would like to change the batteries pack, please use the nominated models of STREAMER , then it will be under the warranty .