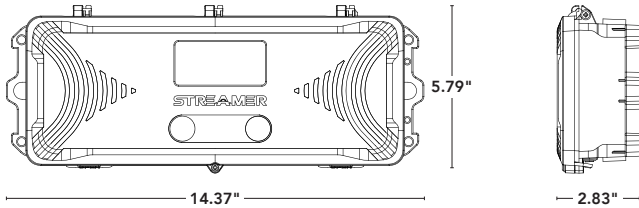


STREAMER

LED EMERGENCY DRIVER

STB27FC(A)-40WL

0-10V Dimming Driver



PART #

JOB NAME

TYPE

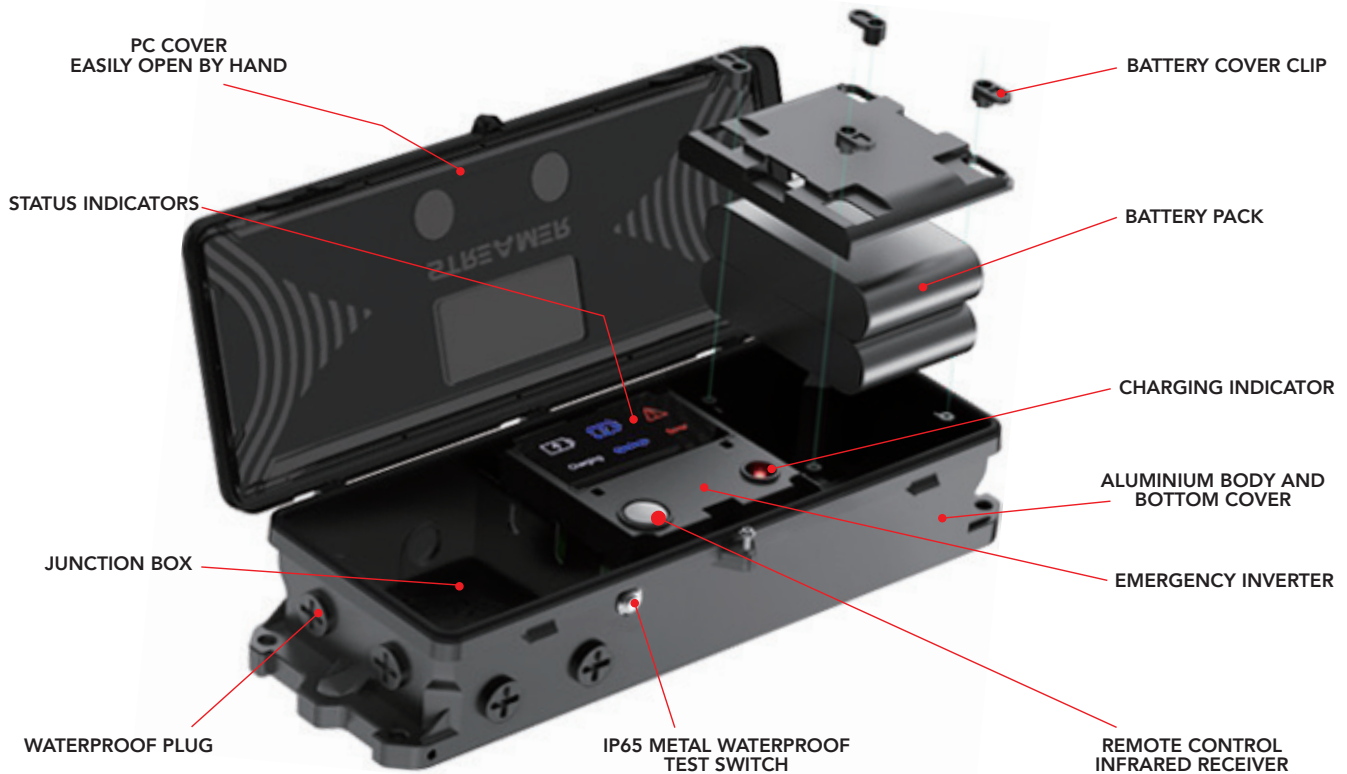
- Suitable for 40-300W lamp w/ 0-10V dimming function and 10-40W below lamp w/ and w/out 0-10V dimming function
- AC120V sine wave
- Manual and remote control test
- Built-in power AC relay to control normal LED driver operation
- LiFePO₄ battery
- Waterproof, user-replaceable battery pack with built-in charging and discharging protection circuitry
- Built-in junction box
- Ambient range: 0-60°C
- Initial functional self-test
- Clear status indicator

PART #	MRF PART #	RATED INPUT	RATED OUTPUT	EMERGENCY TIME	BATTERY PACK
RP-LBI65-EMG-40W	STB27FC-40WL-LFPB4S2P-AC	AC100-347V,50/60Hz, 150mA 8.5W max P.F: 0.6@100V,0.5@347V	AC 120V SINE WAVE 40W MAX	> 90MIN	LiFePO ₄ 12.8V 6.6Ah, 84.48Wh HT IFR26650x8 pcs,4s2p

OPERATING MODES

OVER-DISCHARGING PROTECTION | REST MODE | 90 MINUTES EMERGENCY TIME





BATTERY PACK

- LiFePO₄ battery
- Easily replaceable by hand
- Users can rotate the clip on the battery cover to remove the cover and replace battery pack

TEST SWITCH

- Press switch to enter into emergency mode, release to recover charging mode

INFRARED REMOTE CONTROL RECEIVER

- Maximum receiving distance is 12 meters (straight line)



LED INDICATOR

- RED: Charging mode
- Charging fully
- OFF: Emergency mode

REST MODE

Rest mode ensures battery long term storage, minimal leakage current in rest mode

- Press and hold the test switch for over 5 seconds in the emergency mode to enter into rest mode
- In rest mode, the battery is completely disconnected from the inverter minimal leakage current allows for longer storage time



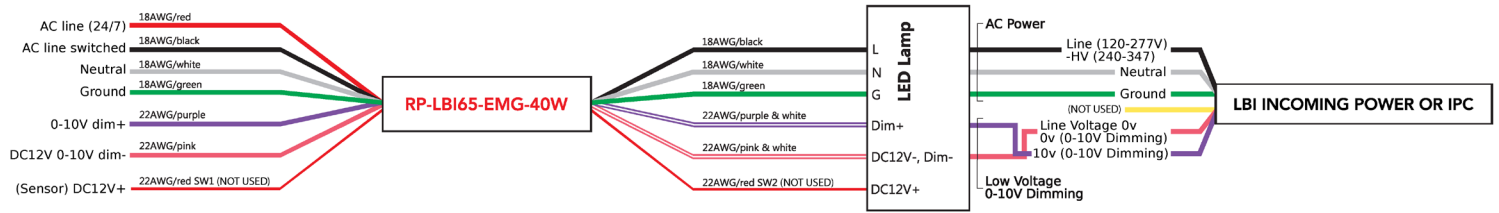
STATUS INDICATORS

The back lit large status indicators displays three indicators for the emergency pack's condition:

- Charging
- Discharging
- Error

STATE	STATUS	COMMENT
	CHARGING	AC mode
	DISCHARGING	DC mode
	FAILURE	Open circuit/short circuit LED failure, no battery (emergency mode)

TYPICAL WIRING DIAGRAM



* SW1, SW2 Operation

In AC normal mode, Sw1 connects with Sw2.

in DC emergency mode, Sw1 disconnects with Sw2, no output from Sw1.

INITIAL SELF-TEST

- The emergency pack will automatically perform an initial functional self-test
- Inspection points are listed below:
 - Lamp compatibility
 - Initial current required to start the lamp
 - Time required for the lamp to fully illuminate
 - Voltage threshold for dimming activation
 - Dimming response curve
- After passing the test, emergency pack enters normal operation mode
- Status screen will indicate error mode if the emergency pack does not pass the self-test
- Initial test will not repeat. If the test is unsuccessful, the unit will either switch to rest mode or disconnect the battery

TO EXIT ERROR MODE

- End the discharge process
- Disconnect the battery while in emergency mode
- Press and hold the test button for 5 seconds during emergency mode

WARRANTY

5 year warranty w/ the follow exceptions

- Improper installation or operation
- Misuse
- Abuse
- Unauthorized or improper repair alteration
- Accident or negligence in use, storage, transportation
- Any natural acts

*To ensure the warranty coverage, users must replace the battery pack with an approved STEAMER model.

INSTALLATION RENDERING W/ INCOMING POWER CABLE



INSTALLATION RENDERING W/ IPC



TEST SWITCH OPERATIONS

- Manual Diagnostic Mode
 - Emergency mode enables if the test switch is pressed when main power is on
 - Press and hold the test switch for 5 seconds to exit emergency test mode
 - Enable emergency mode by pressing the "TEST" button on the remote
 - Press to enter test mode
 - Dimming slope
- Self Test Mode
 - The STB27FC contains a circuit that automatically performs a monthly 30 second discharge test and a full 90 minute discharge test every 6 months
 - During routine testing, the emergency driver will switch to emergency mode and monitor the operation of the LED load, battery voltage, LED load connections and duration under emergency mode
 - If the emergency system functions properly the unit will return to normal operation. Should the unit detect any problems, the indicator light will flash per failure conditions (see table below) until the condition has been corrected and the unit passes

INDICATOR LIGHT	STATUS	COMMENT
RED STABLE	CHARGING MODE FULLY CHARGED	AC MODE, UNIT IS OPERATING CORRECTLY
FLASHING 2 TIMES, LIGHT OFF 2S, LOOP	BATTERY ERROR	BATTERY DISCONNECTED OR FAIL 90MIN DURATION TEST DUE TO INSUFFICIENT CAPACITY
FLASHING 3 TIMES, LIGHT OFF 2S, LOOP	CHARGING ERROR	ENSURE INPUT WIRING IS PROPERLY CONNECTED, AND THAT THE INPUT VOLTAGE AND FREQUENCY ARE BOTH CORRECT AND STABLE
FLASHING 5 TIMES, LIGHT OFF 2S, LOOP	TEMP ERROR	OVER-TEMPERATURE
CONTINUOUS FLASHING	LED LOAD ABNORMAL	MATCHING TEST FAIL, SELF-CHECK OUTPUT ABNORMITY
FAST FLASHING PER 0.1S, SUSTAIN 30S	FUNCTION TEST	AUTOMATIC EVERY 30 CALENDAR DAYS
SLOW FLASHING PER 1S, SUSTAIN 90MIN	DURATION TEST	AUTOMATIC EVERY 180 CALENDAR DAYS

PACKAGING INFORMATION

Size	L 15.0" x W 6.0" x H 3.1"
Qty/Carton	1 piece
Net weight	2.425kg
Gross weight	2.685kg
Remote control	1 piece
Wire cap	13 pieces
Installation manual	1 piece

