



Features

The Advanced Self-Test** EM-converter is a range of high quality 3 and 1 hour emergency lighting conversion kits designed to drive a very wide range of LED loads and circuits in multiple applications. Standard and self-test options available. Compatible with LiFePO4 and NiMH Batteries.



LED Emergency Converter kit Specification

	CK55-AST-3	CK55-AST-6	CK300-AST-3	CK300-AST-6
Rated supply voltage	220-240 V AC		220-240 V AC	
Mains frequency	50 / 60 Hz		50 / 60 Hz	
Max power consumption	5W		5W	
Standby power	< 0.8W		< 0.8W	
Emergency output power	3W Constant Power	6W Constant Power	3W Constant Power	6W Constant Power
LED forward voltage range	10-50 Vdc		50-300 Vdc	
Max.output voltage	55 Vdc		310 Vdc	
Emergency rated duration	1 & 3 hours		1 & 3 hours	
Battery charging time	< 16 hours		< 16 hours	
Max. Ambient temp.	25°C		25 °C	
Max. battery temp.	60°C		60 °C	
Safety class	II		II	
Dimensions (H x W x L)	21.4 x 30 x 184.7 mm		21.4 x 30 x 184.7 mm	
Battery types / Output power (3hr emergency lighting)	18650 * Li-ion		3.6V 5000mAH	
	18650 * Li-ion		3.6V 10000mAH	

*Subject to Company T&Cs.

**Self-test function is disabled by default. If self-test function is required please use remote control ARC to enable it. Please note that when the battery is replaced or unplugged the self-test function must be enabled again.

EMERGENCY LED LIGHT CODING

GREEN LED	RED LED	STATUS
ON ●	OFF ○	OK
1HZ FLASH ⊙	OFF ○	Charging
OFF ○	ON ●	Battery disconnected / Duration test fault
2HZ FLASH ⊘	OFF ○	Function / Duration test in progress
OFF ○	2HZ FLASH ⊘	Battery Temperature fault
OFF ○	1HZ FLASH ⊙	Light source fault
0.5HZ FLASH ONCE Alternative ⊙	○	Remoter Answer (Except BAT Check, AST Check)

Battery status Emergency lighting duration

Alternative 0.5HZ single colour flash ⊙ ●	≥3.5h	≥1.5h
Alternative 0.5HZ double colour flash ⊙ ⊙ ● ●	[3.25h , 3.5H)	[1.25h , 1.5H)
Alternative 0.5HZ triple colour flash ⊙ ⊙ ⊙ ● ● ●	[3.0 , 3.25)	[1.0 , 1.25)
Alternative 0.5HZ quadruple colour flash ⊙ ⊙ ⊙ ⊙ ● ● ● ●	NO TEST	NO TEST

AST Check

Alternative 0.5HZ single colour flash ⊙ ●	Self-test is enable
Alternative 0.5HZ double colour flash ⊙ ⊙ ● ●	Self-test is disable

- ⊙ Slow flash= 0.5HZ (about half/second)
- ⊙ Normal flash=1HZ (about once/second)
- ⊘ Fast flash=2HZ (about twice/second)

CONVERTER WIRING DIAGRAM

