



Self contained emergency lighting LED driver for manual testing
For LED modules with a forward voltage of 3-55V & 50-300Vdc

Non maintained operation

Compatible with all dimmable and non-dimmable constant current LED driver
3-pole technology: 2-pole LED module changeover and delayed power switching for the LED driver

Automatic shutdown of output if LED load is out of range

Include digital charge circuit on PWM signal

Deep discharge and over charge protection

Short-circuit-proof battery connection

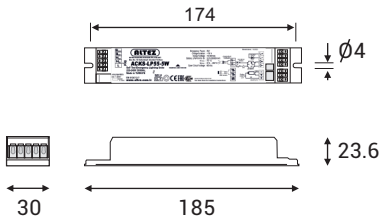
Polarity reversal protection for battery provided by 3-pole connector

Charge indicator with green led

Optional test switch

Smart charge circuit for battery charge (LifePO4)

LiFePO₄: up to 12 years design life



Working voltage	: 220 - 230 V AC 50/60Hz ±%10
Mains supply current	: 0.05A
Mains supply power	: 4VA
Starting time	: < 0.5 s from detection of emergency event
Output voltage	: 10-55V, 50-300V
Output current	: 50mA±%10
Max. Output led power	: 55V / 200W; 300V / 150W
Max. open circuit voltage	: 280V
Mains surge capability (between L - N)	: 1kV
Amp.temp.	: -10°C . . 45°C
Case temp.	: 75°C
Max. battery temp.	: 60°C
Protection grade	: IP20

EN 60598-2-22, EN 61347-2-7, EN 62384,
EMC-2004/108/EC, LVD-2006/95/EC
VDE108, CB, CE, EAC, TSE

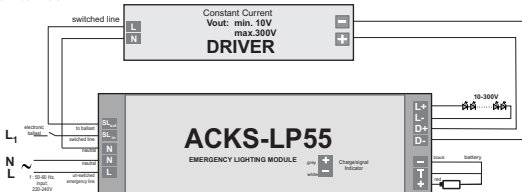
Emergency Signal code

● On	○ Off	Ok
● 1Hz Flash	○ Off	Charging
○ Off	● On	Battery disconnected / Duration test fault
● 2Hz Flash	○ Off	Function test / Duration test in progress
○ Off	● 2Hz Flash	Battery temperature fault
○ Off	● 1Hz Flash	Light source fault

Non-maintained



Maintained



Accessuary

Test button

YMACTB-NO55

Normal open

Charging indicator

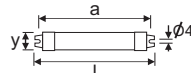
ACL-G55

Green



Battery	Capacity		Type	Dimension					
				l	a	b	y	h	w
ALI120	Li-Ion	3.7V 2A	18650		65	65	18	18	50gr.
ALI140	Li-Ion	3.7V 2x2A	2x18650	130	130	18	18	18	180gr.
ALIFE136	LiFePO4	3.2V 2x1.8A	2x18650	130	130	18	18	18	180gr.
ALIFE180	LiFePO4	3.2V 2x4A	32700	720	710	700	32	33	380gr.

12h battery charging time for 3h emergency lighting function when used with LiFePO₄ batteries.
Up to 100.000h lifetime
5years warranty



Code	Chrg./Stnby./Max.Out.Power	Battery Type	Dimension	Weight
ACKS-LI55-1.5W	4W / 0.8W / 1.5W	Lithium Ion	185x30x23.6	300gr.
ACKS-LI55-3W	4W / 0.8W / 3.0W	Lithium Ion	185x30x23.6	300gr.
ACKS-LP55-5W	4W / 0.8W / 5.0W	LithiumFerrumPhosphat	185x30x23.6	300gr.
ACKS-LI300-1.5W	4W / 0.8W / 1.5W	Lithium Ion	185x30x23.6	300gr.
ACKS-LI300-3W	4W / 0.8W / 3.0W	Lithium Ion	185x30x23.6	300gr.
ACKS-LP300-5W	4W / 0.8W / 5.0W	LithiumFerrumPhosphat	185x30x23.6	300gr.