

Plug&Light LED Inverter

emergency



Inverter for compact LED luminaires thanks to the integrated battery.



Equipped with cable gland protection covers to allow installation outside the luminaire, without a protection box.



Plug&Light technology for immediate wiring with SD series luminaires - Auto-dimmer already prepared for connection.

Applications

Services, industry, inside IP65 luminaires

Characteristics

Power supply 230VAC \pm 10%, 50 \div 60Hz

Output voltage 20 - 60 VDC (Order Code 19358, 19359), 60 - 180VDC (Order Code 19367)

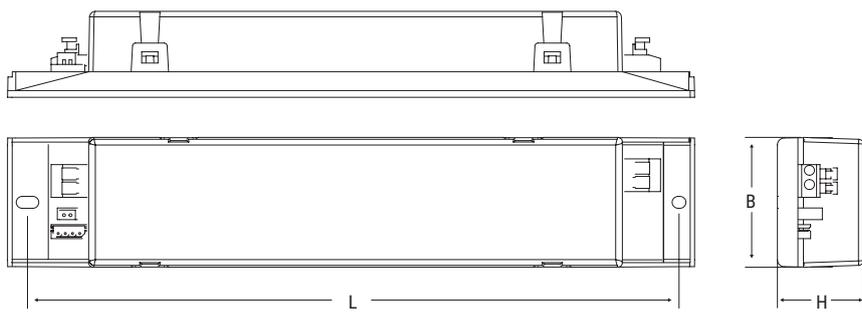
Max. output current 160 mA

Status LED Two colours with PC light guide (BCS)

Housing Polycarbonate

Compliance EN 61347-2-7, EN 61347-1, EN 60598-1

- IP40
- IP65
- IK08
- 850°
- SELV
- Batt. NiMH +40°C / 0°C
- Batt. NiCd +40°C / 0°C



Version	Dimensions mm		
	L	B	H
IP40	239	46	30
IP65	301	139	55



1h autonomy 417lm flux

EXAMPLE OF FLUX CALCULATION FOR BS 100 LED (SMART DRIVER) WITH LED INVERTER WITH 1H OF AUTONOMY (Order 19358)

The LED Inverter can guarantee the maximum lighting performance that the luminaire on which it is installed can achieve. Please find below the calculation method and an example for determining the Rated Flux in emergency mode

P= Inverter rated power (in the version 1h = 3.2W)
 Fn= Rated luminaire flux (for BS100 LED = 8350lm)
 Pn= Rated power (for BS100 LED = 64W)

$$\text{Flux} = P \text{ inverter} \times \frac{F_n}{P_n} \text{ where: } \text{Flux} = 3.2 \times \frac{8350}{64} = 417\text{lm}$$

BATTERY CONTROL SYSTEM

The signalling LED follows new protocols linked to compliance with standard IEC EN 60598-2-22, where it is expressly required to signal battery malfunctioning, which is instantly signalled by the appearance of the red colour on the multi-coloured signalling LED (BCS Battery Control System).



Green indicator LED:
**LUMINAIRE
 IN FULL WORKING
 ORDER**



Red indicator LED:
**BATTERY NOT
 CONNECTED**



	Order Code	P out Max W	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Input power		Weight Kg	Packaging Single/Multi pack	
									DC	AC			
TR	IP40												
	19358	3.2	INV PLUG&LIGHT LED SE/SA 1H 20-60V	SA/SE	1	NiCd 7.2V 0.75Ah			1W		0.3	1/12	
	19359	3	INV PLUG&LIGHT LED SE/SA 3H 20-60V	SA/SE	3	NiMH 7.2V 1.5Ah			1W		0.3	1/12	
	19367	3.2	INV PLUG&LIGHT LED SE/SA 1H 60-180V	SA/SE	1	NiCd 7.2V 0.75Ah			1W		0.3	1/12	
	19371	3	INV PLUG&LIGHT LED SE/SA 3H 60-180V	SA/SE	3	NiMH 7.2V 1.5Ah			1W		0.3	1/12	
	IP65												
	19368	3	INV PLUG&LIGHT LED SE/SA 3H 20-60V IP65	SA/SE	3	NiMH 7.2V 1.5Ah			1W		0.8	1/12	
	19373	3	INV PLUG&LIGHT LED SE/SA 3H 60-180V IP65	SA/SE	3	NiMH 7.2V 1.5Ah			1W		0.8	1/12	

ACCESSORIES - included

