

STAR 35-350T Energy



Features:

- Power supply and emergency kit integrated in one case
- Cost-effective AC/DC power supply
- Built-in active PFC function
- Low output ripple & noise
- Suitable for use in Class I and Class II luminaires
- Open & short circuit protection
- Battery protection against overcharging and deep discharge
- Lithium ion battery



Description

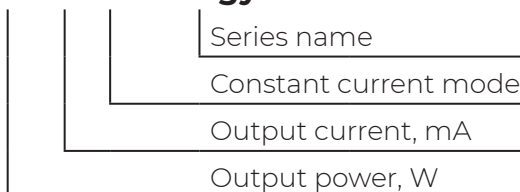
Star 35-350T Energy is a perfect solution designed for applicable in a wide range of a modern emergency system. Star 35-350T Energy operates as a power supply and emergency kit integrated in one case.

The item works with power network 176-264 VAC and has IP rating 20. As a power supply Star 35-350T Energy has output power 35 W and output current 350 mA. As an emergency kit Star 35-350T Energy provides 2,7 W during 2-hour emergency mode.

The main advantages of Star 35-350T Energy are: integrated solution, saving time and costing for mounting, battery protection against overcharging and deep discharge, low output ripple and noise, open and short circuit protection.

Model Encoding

STAR 35-350 T Energy



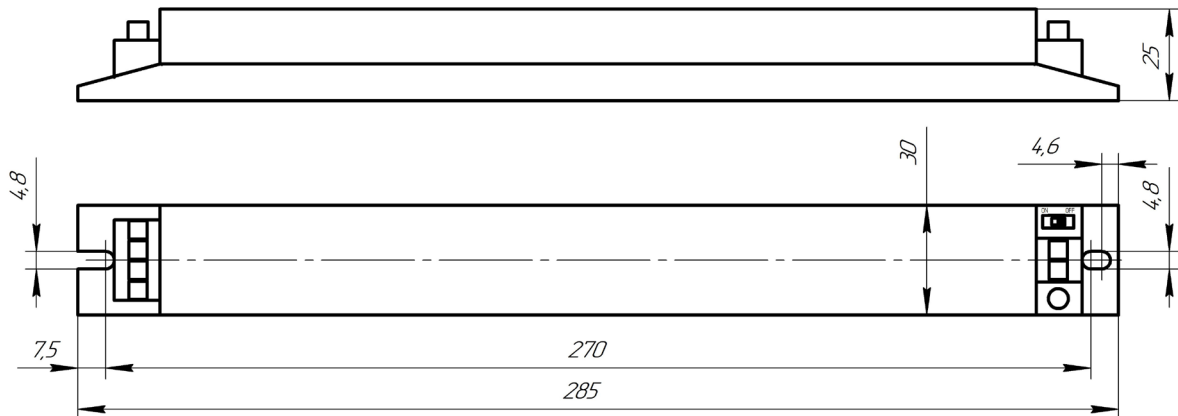
SPECIFICATION

	Model Name	Star 35-350T Energy
OUTPUT	RATED CURRENT	350 mA
	CONSTANT CURRENT REGION	45-100 V
	OPEN CIRCUIT VOLTAGE	112 V
	RATED POWER	35 W
	CURRENT RIPPLE	< 3,5 mA
	SET UP TIME	0,5-1 s
INPUT	VOLTAGE RANGE	176-264 VAC
	FREQUENCY RANGE	50/60 Hz
	AC CURRENT	0,25 A @ 220 VAC
	NO LOAD / STANDBY POWER CONSUMPTION	< 1 W
	POWER FACTOR	0,98 @ 50 % load
	TOTAL HARMONIC DISTORTION	≤ 15 %
	EFFICIENCY	86 %
LEAKAGE CURRENT	< 0,3 mA	
EMERGENCY MODE	OUTPUT VOLTAGE	40-95 V
	OUTPUT POWER	2,7 W
	OUTPUT CURRENT	30-60 mA
	DURATION	120 min
	BATTERY TYPE	Fixed Lithium Ion
	LED INDICATOR	Red - charging mode, no light - discharging mode
PROTECTION	OPEN CIRCUIT	Yes
	SHORT CIRCUIT	Yes
	IP RATING	IP20
	ELECTRICAL ISOLATION	Yes
ENVIRONMENT	WORKING TEMPERATURE	+5...+40 °C
	STORAGE TEMPERATURE	+5...+40 °C
SAFETY & EMC	SAFETY STANDARDS	UL8750
	WITHSTAND VOLTAGE (I/P-O/P, I/P-PE, O/P-PE)	> 1,5 kV AC
	ISOLATION RESISTANCE	> 200 M Ohms
	EMC	EN 61000-3-2, 3; EN55015 EN 61000-4-2, 3, 4, 5, 6, 8, 11
OTHERS	LIFE TIME	50 000 Hours
	DIMENSION	285 x 30 x 25 mm
	WEIGHT	0,26 kg
	PACKING	325 x 305 x 260 mm, 48 pcs., 16,8 kg

NOTE:

All parameters were measured at power network 220 VAC, rated current and 25 °C of ambient temperature Measurement accuracy 3 - 5 %.

MECHANICAL SPECIFICATION



Conversion

1. This module and associated luminaire have both an unswitched mains electricity supply and a battery. To ensure safety disconnect both before installation or maintenance work begins. The Li-Ion batteries used together with this module contain an electrolyte which can be harmful to eyes and poisonous on open wounds.
 2. Installation must be carried out by a competent person. If in any doubt consult a qualified electrician.
 3. Observe the correct polarity when making electrical connections.
 4. Wire the module and battery into the luminaire according to the wiring diagram.
 5. Within the luminaire the switched and unswitched 50 Hz supply wiring must be routed as short as possible and be kept as far away as possible from the LED leads.
 6. Ensure that the module and associated battery operate within their temperature ratings. After conversion of a luminaire existing components must continue to operate below their temperature rating.
 7. Check operation of the LED charge indicator by connecting the unswitched line.
 8. Check operation of the LED in the emergency mode by disconnecting the unswitched supply after 15 minutes.
 9. Mark the date of commissioning on the battery label.
- Failure to do as mentioned above will invalidate any warranty claims.

Change of Specification

Trion reserve the right to change specifications without prior notification or public announcement.

Conclusion

Every care is taken by Trion, in the design and construction of its products, to ensure that as far as is reasonably practical, the products, when properly used are safe, and without risk to health.

Do not attempt to modify this product. Any modification will render the product unsafe.

Trion will not admit any responsibility for damage, injury or loss, which may gain as a result of incorrect installation, maintenance, operation or disposal.