purerena®

PRODUCT DATASHEET

LED EMERGENCY DRIVER WITH BATTERY PACK   PR-EMD-40W

PRODUCT DESCRIPTION:

PURERENA LED EMERGENCY DRIVER
For LED tube, panel, down lights...
Voltage protection input AC85-265V
External test button & power indicator
Over charge & over discharge protection
Short-circuit & no-loading protection
Fire-resistant PC housing
86% high conversion efficiency
IP20 protection

BATTERY PACK:

High capacity Lithium ion battery
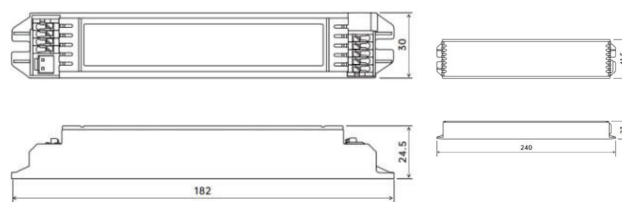High temperature resistant batteries
18650 11.1V Li-ion battery pack
Balanced charging scheme for battery pack
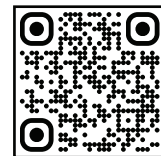Battery capacity is optional according to emergency time
Simple plug-in connection

DIMENSIONS:

TECHNICAL SPECIFICATIONS:

Input Voltage	AC85-265V~50/60Hz
Output Voltage	220V
Power Factor	>0.51 (70% load)
Input Power	5-40W, Max. 50W
Conversion Efficiency	>86%
Battery Type	Lithium ion 11.1V 4400mAh
Emergency Time	60-180 mins
Charge Time	< 24Hrs
Charging Power	10W, Max. 15W
Charging Current	220mA, Max. 300mA
Output Voltage/Current	220V±5% (0.03A - 0.15A)
Output Power	5-40W, Max. 50W (depends on LED lamp)
Emergency Output	100% power

TECHNICAL SPECIFICATIONS:

Over Charge Protection	≥ 12.3 ± 0.1V enter balanced charging mode; 14.75 ± 0.1 V, cut off charging
Over Discharge Protection	8.25 ± 0.1V
Short Circuit Protection	Current limited output; Automatic recovery after short circuit removed
Open Circuit Protection	Constant voltage output; shut down system after 3s in emergency mode
Overheat Protection	≥60±10 ℃, automatic recovery after cooling
Ambient Temperature	-5 ℃ - 45 ℃
Pressure Resistance	I/P - O/P: 3750VAC, I/P - FG: 1870 VAC, O/P - FG: 500 VAC
Leakage Current	≤0.1mA
Insulation Resistance	≥100MΩ（DC500V）I/P-O/P, I/P - FG, O/P - FG
Installation	Internal or External (for better heat dissipation)
IP Protection	IP20
Body	PC
Rated Load	25℃ /70% RH, AC230V/50Hz
TEST BUTTON AND LED INDICATOR:	
Green LED ON	Mains power supply - Normal working
Press Test Button	Test function - to switch into EM mode

WIRING DIAGRAM: