



ESL - ELECTRIC-FUEL STREET LIGHT UPS **(50-200W OUTPUT POWER)**

24/7 POWER FOR SITES WHERE AC IS AVAILABLE SOLELY FROM STREET LIGHTS FOR LIMITED HOURS AT NIGHT.



- **1/5TH THE WEIGHT***
- **1/5TH OF THE BATTERY SIZE***
- **5 TIMES LONGER LIFE***
- **REMOTE MONITORING**

*Compared to standard Lead/Acid solutions.

Designed to supply DC power 24/7 to outdoor electronic equipment at sites where AC is available solely from street lights for limited hours at night. Electric Fuel's ESL is an innovative and efficient streetlight UPS, leveraging Electric Fuel's highly advanced and safe Lithium maintenance-free battery technology.

SYSTEM

- Quiet, safe and reliable operation in heavy dust, rain and snow
- Compact fan-less design utilizing free air convection for cooling
- Remote monitoring using SMBus or Ethernet port
- Real-time monitoring and control
- Modular - add 50W modules as required up to 200W
- Compact outdoor pole/wall mounted system
- Designed to blend into the environment when mounted on streetlight poles

LITHIUM BATTERY

- With MIL-SPEC safety features
- Operates in extreme temperatures 0°C to +50°C (optional -40+50°C)
- Maintenance free
1500 cycles (5 year service life)

APPLICATIONS

- Security cameras
- Telecom systems

ADVANCED POWER

WWW.ELECTRIC-FUEL.COM

SYSTEM SPECIFICATION

Model	ESL48V/50W	ESL48V/100W	ESL48V/150W	ESL48V/200W
Input				
Input Voltage	90-260VAC 47-63Hz			
Current (Typ.)	4-8A			
Output				
Output power	50W	100W	150W	200W
Output voltage	52-39VDC (optional : 110/230VAC)			
Output Max current	6A	12A	18A	24A
Technology				
Battery	Lithium Ion			
Power supply and charger	High efficiency power supply			
Communication	SMBus communication protocol Optional: Ethernet communication			
Alarms & data	Remaining backup time, Number of cycles, AC Fail, Overload, Over temperature, Replace battery			
Battery				
Capacity	32.5Ah	65Ah	97.5Ah	130Ah
Charging power	180W	360W	540W	720W
Operational life	5 years /1500 discharge cycles			
Battery safety protection	Under/over voltage Under/over current Short circuit Temperature			
Charge time (min)	8 hours			
Ambient temperature	0°C to 50°C Optional: Heating mechanism for operation below 0°C			
Humidity	20 ~ 95% RH non-condensing			
Storage Temp	Recommended 20°C. 10 ~ 95% RH			
Standard	CE (for power supply), UL-1642 (for battery cell), UN38.3 (for battery transportation)			
Mechanical				
Dimension cm**	65X40X20		80X60X30	
Weight	20 Kg	30 Kg	45 Kg	55 Kg
Interconnection	2 x PG9 Waterproof connectors			
Mounting	Provision for both wall and pole mounting			
IP Rating	IP65			
Cooling	Free Convection			

Product specifications are subject to change without further notice
** Custom power/size available

COMPANY PROFILE

Electric Fuel is the industrial and medical brand of Epsilon-Electric Fuel Ltd., a world leader in the development and production of mobile energy storage products. Experts in a wide range of electrochemistries, including Lithium Ion, Lithium Polymer, and Zinc Air, and working with clients from the medical, automotive and aerospace sectors, Epsilon-Electric Fuel has the broad-based experience needed to create the optimal portable battery solution for the most challenging applications.

Epsilon-Electric Fuel is part of the power systems division of Arotech Corporation (Nasdaq: ARTX). The division operates from R&D and manufacturing facilities in the United States and in Israel.

HOW CAN WE HELP YOU? CONTACT ELECTRIC FUEL AT:



Western Industrial Park
1 HaSollela St.

Bet-Shemesh, 9905415, Israel

Tel: +972 29906664

www.electric-fuel.com

outdoorsys@electric-fuel.com

