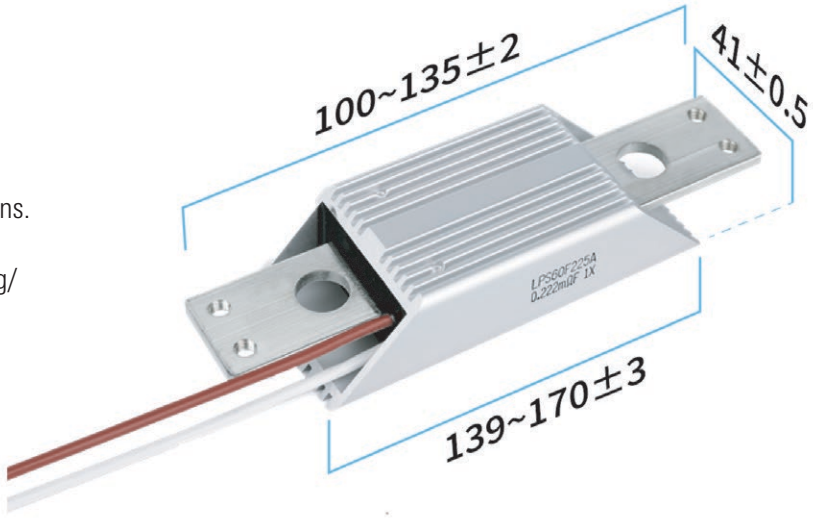
ISABELLENHÜTTE

LPS/ULPS

Precision Shunt (Option UL TYPE)

The LPS series is designed for high-precision current measurement in electric vehicle and testing applications. These resistors are ideal for EV battery cell activation equipment, performance testing systems, and charging/discharging test equipment. They also provide reliable accuracy for high-precision power supplies and test devices, ensuring stable and efficient operation inccritical applications.



APPLICATION

- EV Battery Cell Activation Equipment (Activation)
- EV Battery Performance Testing Systems (Testing)
- Battery Charging/Discharging Testing Equipment (Load Testing)
- High-Precision Power Supply and Test Equipment (Measurement)

GENERAL SPECIFICATIONS

MODEL	RATED CURRENT	RATED VOLTAGE	RESISTANCE	TOLERANCE
LPS60F | ULPS60F	100A 200A 225A 250A	50mV	0.5mΩ 0.25mΩ 0.2222mΩ 0.2mΩ	D [±0.5%] F [±1.0%]
LPS70F | ULPS70F	300A		0.1666mΩ	

*ULPS = UL type of LPS

EV Battery Cell Activation Equipment

EV Battery Performance Testing Systems

Battery Charging

Discharging Testing Equipment

High-Precision Power Supply and Test Equipment

Precision Shunt (Option UL TYPE)

Precision Metal Clad Resistors designed in four-terminal technique, are distinguished by high load capacity as well as excellent accuracy. Isolated voltage and current connections making them suitable for very precise current measurements. Easy current measurement is performed by attaching to current bus directly and connecting to voltage (ampere) metal through flexible wires. Unit have a low inductance, heavy copper terminals.

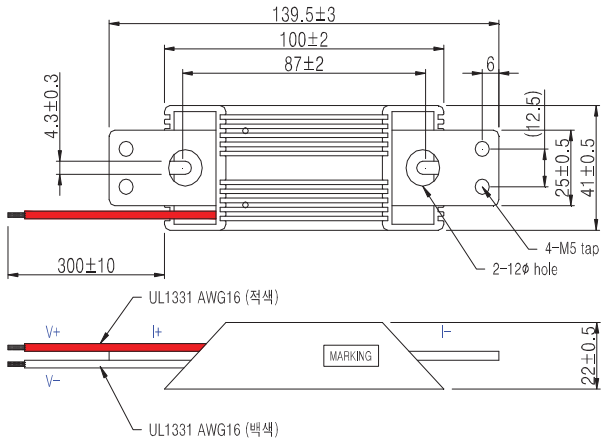
Applications include: Battery manufacturing test jig, current detection in precise power sources, constant current sources, industrial power conversion circuits, HEVs, fuel cells and constant electronic loads.

CHARACTERISTICS

Temperature range	-25˚ ~ +70˚C
Dielectric withstanding voltage	AC 500V for 1minute
Insulation resistance	Min. 100mΩ (DC 500V)
Stability	[±0.1%] Battery testing time, 40minutes

DIMENSIONS [mm]

LPS 60F



LPS 70F