

# swift-e

## Portable Load Bank

### Description

Quick and easy testing of small generators is possible with the Simplex Swift-E Portable Load Bank. Fully self-contained, lightweight and hand transportable, the Swift-E can be used to test and maintain engine generators, RV generators, inverters, batteries, battery chargers, rectifiers and small UPS systems. Swift-E's are available as AC or DC units with capacities up to 15,000 Watts of load switchable in 250W increments. AC Swift-E's are rated 120/240V dual voltage, single phase. DC Swift-E's are rated 12V, 24V, 36V or 125V, single voltage or dual voltage in 2X multiples (12/24, 18/36 or 62/125). All control and cooling circuits operate from the source under test. Complete test instrumentation and connection cables are provided.

### Instrument/Control Panel

Test instruments:

2.5" square, 2% accuracy panel meters:

AC voltmeter, 0-300V (or DC voltmeter)

AC ammeter, with current transformer

0-50/100A dual scale (Swift-E)

0-75/150A dual scale (Swift-E+) (or DC ammeter with shunt)

Ammeter range selector switch

Frequency meter, 45-65Hz (deleted DC units)

Instrument fuses

Master load switch, applies all load preset with load step toggle switches

Load step toggle switches

Fan/control power toggle switch

### AC Swift-E's

Swift-E (standard): 10,000 watts, 120/240V AC, 1-ph.

Swift-E+: 15,000 watts, 120/240V AC, 1-ph.

### DC Swift-E's

Swift-E DC: 10,000 watts, 12-125V DC single or dual voltage

Junior Swift-E: 7500 watts, 12-125V DC single or dual voltage

Super Swift-E: 15,000 watts, 12-125V DC single or dual voltage

### Features

Load elements: Sealed, tubular-type element consisting of nichrome resistance wire sealed within an incolloy sheath (nickel alloy). Electrically dead exterior of element reduces hazard of electric shock and short circuit of elements.

Element is rustproof, vibration and shock proof.

Load control: Panel mounted toggle switches for each load step and master load control. Main contactor for master load control/block loading.

Load element circuit protection: Main circuit breaker with overload/short circuit trips.

Overtemperature sensor to trip main contactor and activate alarm indicator.

Overvoltage sensor to protect against incorrect connection of load bank (connection of 240V to 120V circuits). Trips main contactor and activates alarm indicator.

Connection cable set, 10', with ring lug terminations.

NEMA type 1 enclosure, aluminum construction, painted beige with a blue control panel. Includes rubber feet, carry handles and cable storage hooks.



Optional Connectors

# SIMPLX®

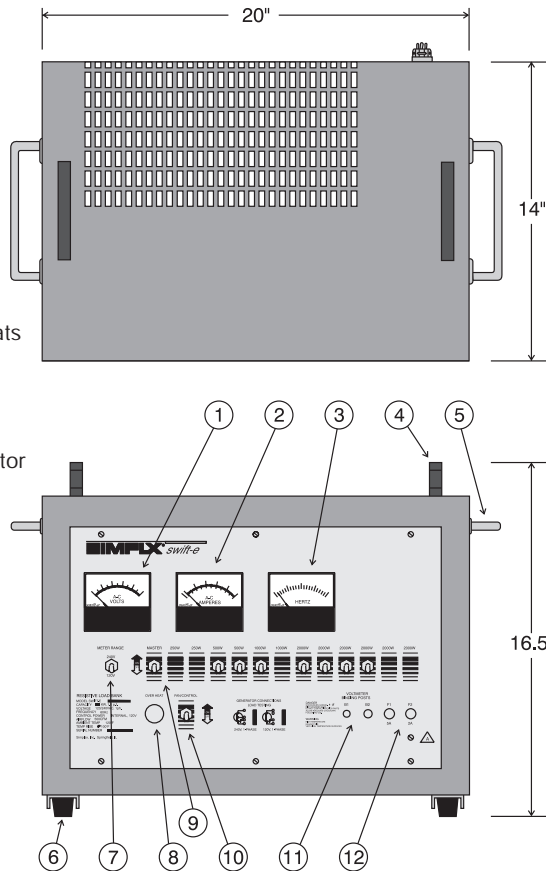
# SIMPLX<sup>®</sup>

swift-e • Portable Load Bank

## Specifications

### Dimensions and Key Features:

1. Voltmeter
2. Ammeter
3. Frequency Meter
4. Cable Storage Cleats
5. Carry Handles
6. Rubber Feet
7. Meter Range Selector Switch
8. Over Heat Indicator Lamp
9. Master Load and Load Step Toggle Switches
10. Fan/Control Power Toggle Switch
11. Voltmeter Binding Posts
12. Control Fuses



### AC Ratings:

<b>Capacity</b>	Swift-E: 10,000 watts Swift-E+: 15,000 watts
<b>Voltage</b>	Reconnectable 120V or 240V, single-phase
<b>Frequency</b>	60 Hertz (50 Hertz optional)
<b>Load Steps</b>	2 x 250W, 1 x 500W, 1 x 1000W, 4 x 2000W plus 1 x 1000 W and 2 x 2000 W in Swift-E+
<b>Cooling</b>	On board fans, 500CFM
<b>Control Power</b>	Internal, from power source under test
<b>Dimensions</b>	20"W x 15"H x 14"D
<b>Weight</b>	40 pounds

### DC Swift-E Ratings:

As above, except

<b>Capacity</b>	Swift-E Jr.: 7500W Swift-E DC Std: 10,000W Super Swift-E: 15,000W
<b>Voltage</b>	Single voltage or 2X dual voltage 12V (n/a as Super) 24V 36V 125V

## Options



### KW Meter

#### Swift-E Duffel Bag

This lightweight but sturdy duffel bag is made of durable nylon exterior and tweed interior. It's convenient shoulder strap makes transporting the Swift-E quick and easy.

#### Cable Connectors

- NEMA Plugs
- CAM-LOK Connectors
- Clamps