

Overview

10kw, 15kw, 20kw
120/240vAC, 2/3-wire, single-phase
250w resolution

Description

Quick and easy testing of small generators and AC power sources is possible with the Simplex *Swift-e*.

Portable, fully self-contained, lightweight and hand transportable, the *Swift-e* can be used to test and maintain small engine generators:

- Residential standby
- Contractor generators
- Marine generators
- RV generators
- Small wind turbines

The *Swift-e* is also suitable for other AC power sources:

- 120/240v panelboards and distribution
- Inverters
- Small UPS

Swift-e's are available in three versions:

- *Swift-e*: 10kw
- *Swift-e+*: 15kw
- *Swift-e Ultra*: 20kw

All versions are:

- Switchable in 250w steps
- 120/240vAC re-connectable

All control and cooling circuits operate from the source under test. Digital test instrumentation and connections cables are included.

Instrument/Control Panel

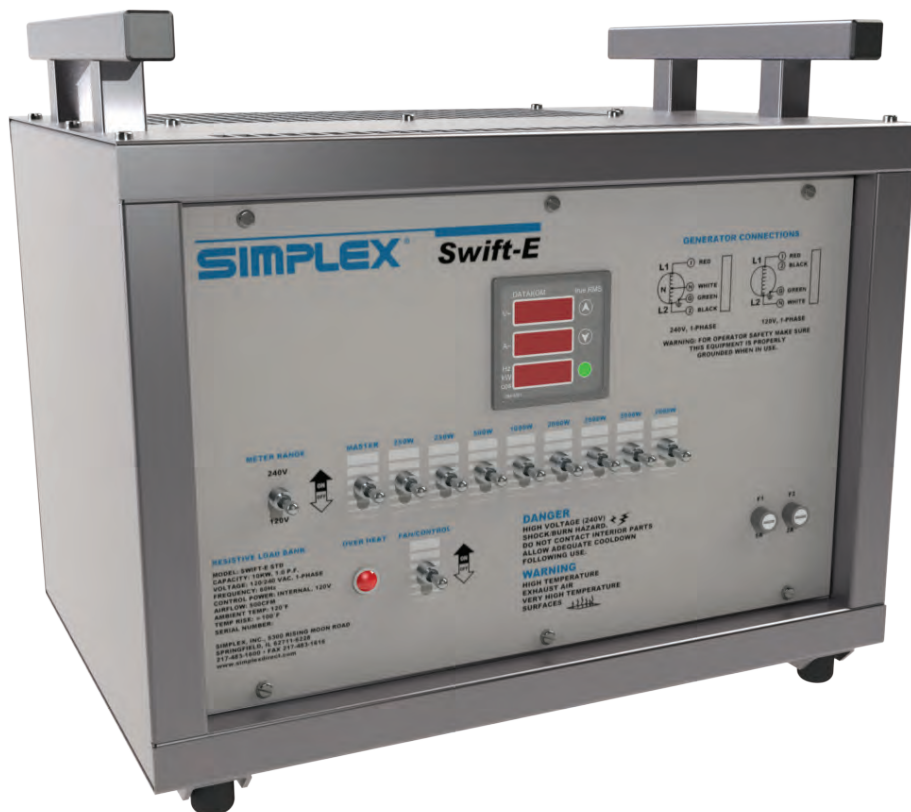
Digital Power Meter:

- AC Voltage, 1/2%, + 1 digit
- AC Amperes, 1/2%, + 1 digit
- Frequency, 1/2%. + 1 digit
- KW, 1%, + 2 digits
- Power Factor, 2%, + 2 digits

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

Load step toggle switches

Fan/control power toggle switch



Ratings

Swift-e: 10,000 watts, 120/240V AC, single-phase

Swift-e+: 15,000 watts, 120/240V AC, single-phase

Swift-e Ultra: 20,000 watts, 120/240V AC, single-phase

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, powder coated nickel-metallic. Includes rubber feet, combination carry handles and cable wrap.

Swift-e

Portable Load Bank

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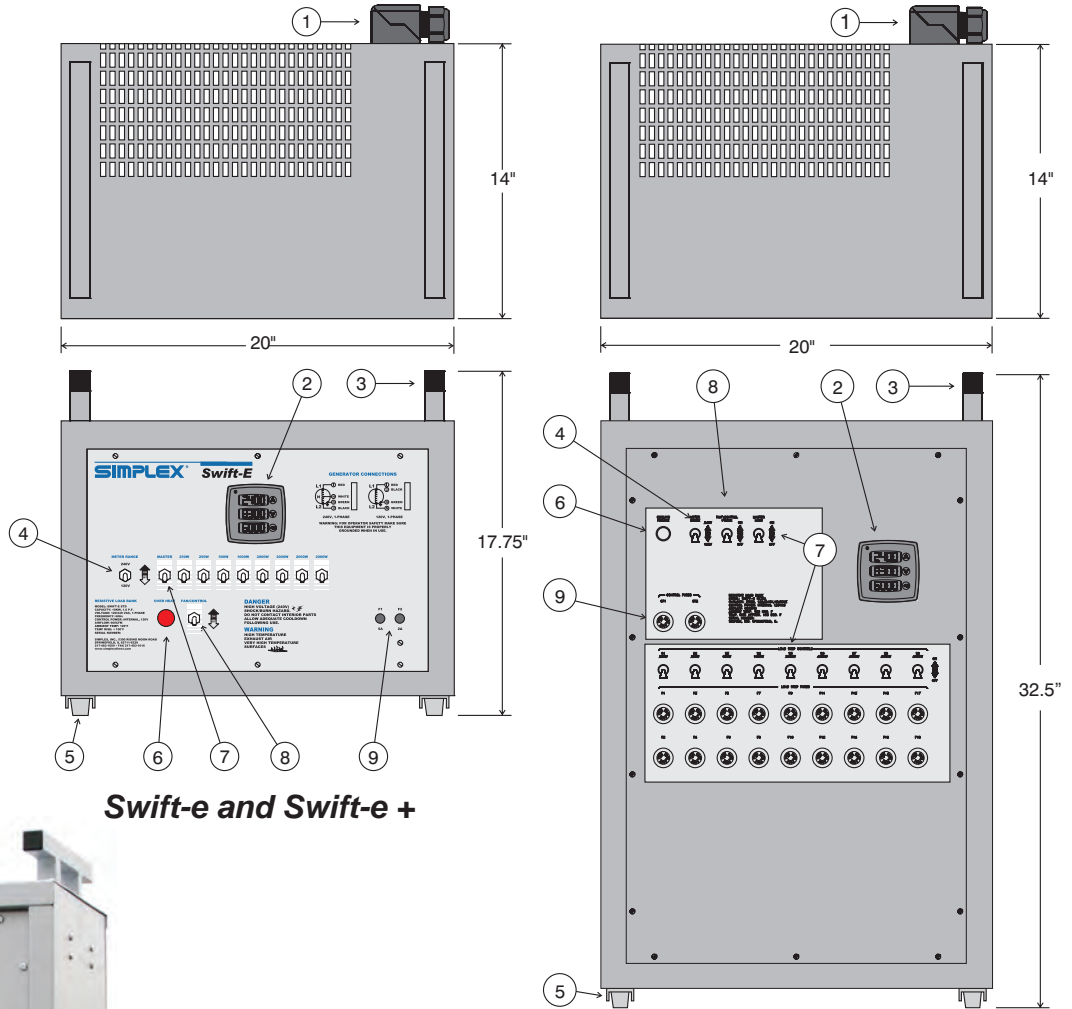
SIMPLEX®

Dimensions and Key Features:

1. Cable Exit, Strain Relief
2. Digital Power Meter
3. Handles, Cable Wrap
4. Meter Range Selector Switch
5. Rubber Feet
6. Over Heat Indicator Lamp
7. Master Load and Load Step Toggle Switches
8. Fan/Control Power Toggle Switch
9. Control Fuses

Connection Options

- NEMA Plugs
- Cam-Type Connectors
- Clamps



Swift-e and Swift-e +

Swift-e Ultra



Ratings:

| | | |
|----------------------|------|------------------------------------------------|
| Swift-e | 10KW | 120/240vAC, Single-Phase, 250W Step Resolution |
| Swift-e+ | 15KW | 120/240vAC, Single-Phase, 250W Step Resolution |
| Swift-e Ultra | 20KW | 120/240vAC, Single-Phase, 250W Step Resolution |

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|----------------------|-------------------------------------------|
| Cooling | On board fans, 500CFM |
| Control Power | Internal, from power source Under test |
| Weight | 40-50 pounds (Ultra - 120 pounds) |