

## EDU

### Load Bank Energy Dissipation Units

- Portable, Forced Air Cooled Energy Dissipation Unit
- 100 – 1000 kW Resistive Capacity
- 240 or 480 V, 3-Phase, 60 Hz (600V Available)
- Corrosion Resistant Stainless Steel Construction
- Heavy Duty 0.475" Dia. INCOLOY® Sheath Tubular Elements
- 1 kW or 10 kW Load Step Resolution
- NEMA 3R Electrical Enclosure for Outdoor Protection
- Standard Digital Keypad and Display for Load Switching
- Optional Voltage/Dual Voltage and Wattage
- Optional Multifunction Digital Readout Meter (V, A, kW, Hz)
- Optional Selector Switches or Push Buttons for Load Switching
- Optional Load Management Module for Combined Loads up to 5 MW



#### Description

Chromalox EDU Load Banks provide durable, precise energy control for applications requiring from 1 kW to megawatt power capacity. Stainless steel construction and INCOLOY tubular elements offer superior durability and performance even with heavy usage and in extreme environments.

#### Applications

Applications include factory or field testing of diesel generators, braking resistors for inverter drives, base loading of remote or standby power plants, battery discharge testing, and UPS testing.

#### Advantages

- INCOLOY sheathed tubular heating elements provide long life under harsh environments.
- Stainless steel construction of a Chromalox load bank ensures strength and corrosion-resistance.
- A multi-stage, contactor-based control system with 1 kW resolution ensures accurate control.
- High limit temperature control and low limit airflow control ensures proper safety.
- All electrical enclosures are protected to NEMA 3R construction.
- Chromalox EDU Load Banks can be used to satisfy National Fire Protection Association (NFPA) requirements for emergency and standby power systems.

#### Options

- Special Voltage and Wattage Requirements
- Voltmeter, Ammeter, and kW Meters
- Load Management Module for 5 MW
- Remote Control with 25 ft. Cord
- "Wrong Voltage Applied" Indicator
- Camlok Power Connections
- Phase Reversal Switch
- Fan Delay Switch
- CE Approved Models Available

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(cont'd.)

#### Code Options

A	Multifunction Digital Meter Amps, Volts and Watts/Phase
B	Single-Volt Meter with Phase Selection Switch
C	Three-Volt Meters
D	Single Ammeter with Phase Selection Switch
E	3 Ammeters
F	kW Meter
G	Control Panel Cooling Fan
H	Anticondensation Heater
I	Load Management Module for 5 MW
J	Remote Control with 25 ft. Cord
K	"Wrong Voltage Applied" Indicator
L	Camlok Power Connections
M	Phase Reversal Switch
N	Fan Delay Switch

#### Ordering information

Model						
EDU Load Bank Energy Dissipation Unit						
		Code	Power/Kilowatt Rating			
		01	100 kW			
		02	200 kW			
		03	300 kW			
		04	400 kW			
		05	500 kW			
		06	600 kW			
		08	800 kW			
		10	1000 kW			
		Code	Mounting			
		1	Castor Mounted (Standard up to 500 kW)			
		2	Skid Mounted (Standard 600 - 1,000 kW)			
		3	Trailer Mounted			
		Code	Steps/Load Control Resolution			
		1	1 kW (Standard)			
		2	10 kW			
		Code	Load Switching Scheme			
		TG	Toggle selector switches			
		PB	Push buttons			
		KE	Keypad mounted on unit (Standard)			
		RE	Remote control with cord			
		Code	Voltage			
		1	120 Vac			
		2	208 Vac			
		3	208/240 Vac			
		4	240 Vac			
		5	240/480 Vac			
		6	277 Vac			
		7	380 Vac			
		8	480 Vac			
EDU	05	3	1	KE	4	Typical Model Number

#### Standard Models

kW	Volts	Phase	Dimensions (In.)			Model	Stock	Wt. (Lbs.)
			L	D	H			
100	480	3	45	34	26	EDU-0111KE8	NS	450
200	480	3	47	41	33	EDU-0211KE8	NS	550
300	480	3	49	45	41	EDU-0311KE8	NS	890
400	480	3	55	45	65	EDU-0411KE8	NS	1,110
500	480	3	55	49	73	EDU-0511KE8	NS	1,215
600	480	3	51	65	71	EDU-0621KE8	NS	1,775
800	480	3	79	69	83	EDU-0821KE8	NS	2,000
1000	480	3	79	69	83	EDU-1021KE8	NS	2,210