Home Connected/Home Protected Products and Systems

All Panels are Manufactured in the USA and Meet UL 1008

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Contents

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Product Description

A transfer switch panel is a device that is mounted next to the loadcenter (distribution panel) in the home or small business. The transfer switch panel is used in conjunction with an emergency generator and serves the purpose of turning selected circuits on and off during a power outage. The transfer switch panel allows the owner to start up a generator and then restore power to critical circuits when utility power is not available.

The owner designates which circuits are critical, such as their refrigerator and certain lights. Sometimes called emergency power panels, emergency generator panels, gen. panels, transfer switches or emergency panels; transfer switch panels provide the homeowner or small business owner with a safe and easy way to continue using electrical appliances when the utility power is unavailable.

Application Description

Transfer switch panels are most often used in residential, agricultural and light commercial applications. Comfort and safety are key concerns of many homeowners who are dependent on an uninterrupted supply of electricity.

The increase in our dependence on power is due in part to the popularity of home offices and in-home health care. Various heavily populated regions of the United States experience periodic power outages due to extreme weather conditions, such as ice and snowstorms, heat waves, tornadoes or hurricanes. These regions that include the Pacific Northwest, Atlantic Coast and the Gulf Coast are the strongest markets for portable generators and Transfer Switch Panels.

Features, Benefits and Functions

Eaton offers two unique emergency power solutions:

- Manual transfer switches
- Emergency generator panels

Manual Transfer Switches

- Panel and components sold separately
- Hardwired generator connection
- Ideal for new construction/ larger loads
- Sturdy copper bus construction
- Types (CH and CHNT) breakers are sold separately
- Mechanically interlocked main disconnects to prevent paralleling of normal and emergency power source
- Indoor and outdoor designs offered

Indoor Design

Indoor/Outdoor Design

Emergency Generator Panels

- Panel and components sold separately
- Plug-in generator connection
- All circuit breakers are included—switching duty rated
- Includes dual wattmeters for load balancing
- Mechanically interlocked main disconnects prevent paralleling of normal and emergency power source
- Indoor and outdoor designs offered

Indoor Design

Outdoor Design

Standards and Certifications

- UL 67 listed
- UL 1008 listed

UL Listed

Reference Information

Cross-Reference

Watts	Number of Circuits	Ampere Rating	Catalog Number Eaton	Gen/Tran ①	EmerGen ①	Square D	Generac ①
5000	4–8	30	**CH48GEN3060R**	—	—	QO48M30DSGP	—
15,000	8–16	60	**CH816GEN6060**	—	—	QO48M60DSGP	—
5000	6	20	**CH6EGEN2060**	20216	6-5000	—	—
5000	6	20	**CH6EGEN2060R**	R20216	6-5000 + RTE657	—	—
5000	6	20	**CH6EGEN2060SU**	—	—	—	—
5000	6	20	**CH6EGEN2060RSU**	—	—	—	—
7500	10	30	**CH10EGEN3060**	302110-20	10-7500	—	—
7500	10	30	**CH10EGEN3060R**	R30211-20	10-7500 + RTE1075	—	—
7500	10	30	**CH10EGEN3060SUR**	—	—	—	—
7500	10	30	**CH10EGEN3060RSU**	—	—	—	—
7500	10	30	**CH10GEN5030SN**	—	—	—	—
7500	10	30	**CH10GEN5030RSN**	—	—	—	—
12,000	10	50	**CH10GEN5050SN**	—	—	—	—
12,000	10	50	**CH10GEN5050RSN**	—	—	—	—

Notes

① Gen/Trans device is not supplied with a power cord.
② Generac device is 7200 maximum watts on six-circuit device and 12,000 maximum watts on 10-circuit device.

Product Selection

Transfer Switch and Generator Panel Selection

Enclosure Type	Watts	Number of Circuits	Ampere Rating	Main/ Emergency Ampere Rating	Feeder Breakers	Included Accessories	Catalog Number
Standard Manual Transfer Switch							
NEMA 3R	5000	4–8	30	Provision	Provision	None	**CH48GEN3060R**
NEMA 1	10,000	8–16	60	Provision	Provision	None	**CH816GEN6060**
Emergency Generator Panel							
NEMA 1	5000	6	20	60/20	5–1P151–1P20	None	**CH6EGEN2060**
NEMA 3R	5000	6	20	60/20	5–1P151–1P20	None	**CH6EGEN2060R**
NEMA 1	5000	6	20	60/20	5–1P151–1P20	Two-pole surge protector	**CH6EGEN2060SUR**
NEMA 3R	5000	6	20	60/20	5–1P151–1P20	Two-pole surge protector	**CH6EGEN2060RSU**
NEMA 1	7500	10	30	60/30	6–1P152–1P2012P30	None	**CH10EGEN3060**
NEMA 3R	7500	10	30	60/30	6–1P152–1P2012P30	None	**CH10EGEN3060R**
NEMA 1	7500	10	30	60/30	7–1P152–1P2012P30	Two-pole surge protector	**CH10EGEN3060SUR**
NEMA 3R	7500	10	30	60/30	7–1P152–1P2012P30	Two-pole surge protector	**CH10EGEN3060RSU**
Switched Neutral Manual Transfer Switch							
NEMA 1	7500	10	30	50/30	6–1P15, 2–1P20, 1–2P30	None	**CH10GEN5030SN**
NEMA 3R	7500	10	30	50/30	6–1P15, 2–1P20, 1–2P30	None	**CH10GEN5030RSN**
NEMA 1	12,000	10	50	50/50	6–1P15, 2–1P20, 1–2P30	None	**CH10GEN5050SN**
NEMA 3R	12,000	10	50	50/50	6–1P15, 2–1P20, 1–2P30	None	**CH10GEN5050RSN**

Warranty

Manual Transfer Switch

- 15-year loadcenter warranty
- Lifetime branch breaker warranty
- Extend the warranty to 20 years by purchasing an emergency generator panel with surge protection

Emergency Generator Panel

- 15-year loadcenter warranty
- Lifetime branch breaker warranty
- Extend the warranty to 20 years by purchasing an emergency generator panel with surge protection

Accessories

Accessories

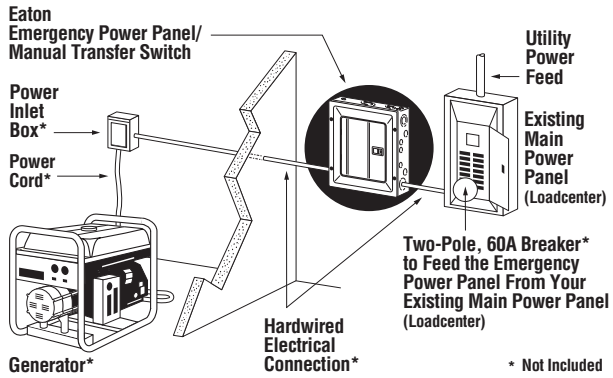
Description	Ampere Rating	Catalog Number
Flush flange kit (for use with emergency generator panel only)	—	**CHEGENFKIT**
25-foot (7.62m) power cord	30	**CHGENCORD30**
Power inlet box	20	**EGSPIB20**
Power inlet box	30	**EGSPIB30**

Technical Data and Specifications

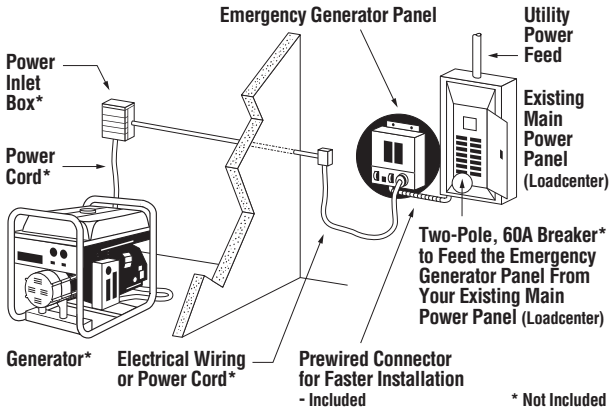
- 10,000 AIC rating
- Switching devices must be circuit breakers
- Transfer switch panel must be supplied with neutral and ground
- Power inlet box must include a circuit breaker for generator protection

Installation Diagrams

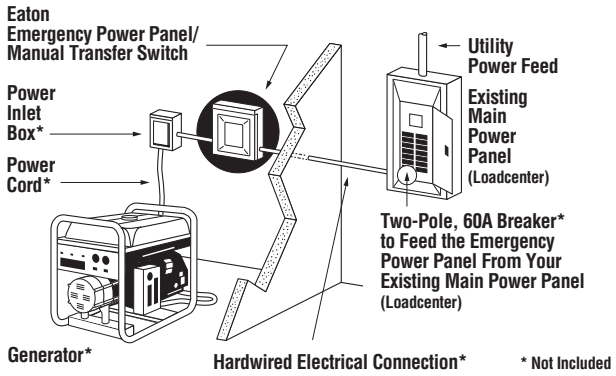
Manual Transfer Switches—Indoor Installation Diagram



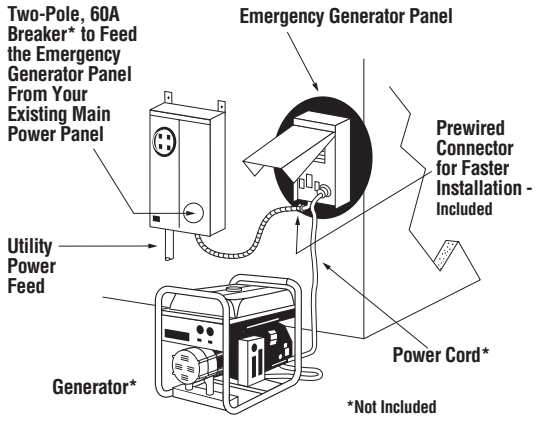
Emergency Generator Panels—Indoor Installation Diagram



Manual Transfer Switches—Outdoor Installation Diagram



Emergency Generator Panels—Outdoor Installation Diagram



Dimensions

Approximate Dimensions in Inches (mm)

Manual Transfer Switch

Enclosure Type	Height	Width	Depth	Weight Lbs (kg)
NEMA 1	16.75 (425.5)	14.31 (363.5)	3.88 (98.5)	25 (11)
NEMA 3R	13.00 (330.2)	11.00 (279.4)	3.56 (90.4)	14 (6)

Emergency Generator Panel

Enclosure Type	Height	Width	Depth	Weight Lbs (kg)	
				Six-Circuit	10-Circuit
NEMA 1	13.23 (336.0)	11.41 (289.8)	4.10 (104.1)	24 (11)	26 (12)
NEMA 3R	17.12 (434.8)	9.45 (240.0)	7.16 (181.9)	29 (13)	31 (14)

Model 30337

Contents

Product Selection

Portable Generators

	Running Watts	Starting Watts	Engine Size and Type	Outlets	Starting Method	Fuel Tank Type and Size	Warranty	Catalog Number
5723CH 	1800	2050	163 cc OHV	2 x 5–20R	Recoil	Steel, 4.0 gallon	2 year limited	**5723CH**
5724CH 	3250	3750	206 cc OHV	4 x 5–20R	Recoil	Steel, 4.0 gallon	2 year limited	**5724CH**
5736CH 	5500	6875	389 cc OHV	4 x 5–20R and 1 x L14–30R	Recoil	Steel, 6.6 gallon	2 year limited	**5736CH**
5623CH 	6500	8000	389 cc OHV	4 x 5–20R and 1 x L14–30R	Recoil	Steel, 6.6 gallon	2 year limited	**5623CH**
5625CH 	7000	8750	410 cc OHVI	4 x 5–20R / 1 x L14–30R	Recoil	Steel, 8.0 gallon	2 year limited	**5625CH**
5626CH 	7000	8750	410 cc OHVI	4 x 5–20R / 1 x L14–30R	Electric/recoil	Steel, 8.0 gallon	2 year limited	**5626CH**

Portable Generators, continued

	Running Watts	Starting Watts	Engine Size and Type	Outlets	Starting Method	Fuel Tank Type and Size	Warranty	Catalog Number
5680CH 	8000	10,000	410 cc OHVI	4 x 5–20R / 1 x L14–30R	Recoil	Steel, 8.0 gallon	2 year limited	**5680CH**
5681CH 	8000	10,000	410 cc OHVI	4 x 5–20R / 1 x L14–30R	Electric/recoil	Steel, 8.0 gallon	2 year limited	**5681CH**
5734CH 	15,000	22,500	992 cc OHVI	2 x 5–20R / GFCI 2 x 5–20R / 2 x L5–30R / 1 x L14–30R / 1 x 14–50R / 1 x 10A 12 Vdc	Electric	Resin, 16.0 gallon	2 year limited	**5734CH**
5735CH 	17,500	26,250	992 cc OHVI	2 x 5–20R / GFCI 2 x 5–20R / 2 x L5–30R / 1 x L14–30R / 1 x 14-50R / 1 x 10A 12 Vdc	Electric	Resin, 16.0 gallon	2 year limited	**5735CH**
5604CH 	4000	5000	220 cc OHVI	GFCI 4 x 5–20R / 1 x L14—20R	Recoil	Steel, 5.0 gallon	3 year limited	**5604CH**
5605CH 	6500	8125	410 cc OHVI	—	Recoil	Steel, 9.0 gallon	3 year limited	**5605CH**
5606CH 	8000	12,000	410 cc OHVI	GFCI 4 x 5–20R / 1 x L14–20R	Electric/recoil	Steel, 9.0 gallon	3 year limited	**5606CH**
5607CH 	10,000	15,000	530 cc OHVI	GFCI 4 x 5–20R / 1 x L5–30R / 1 x 14–50R	Electric	Steel, 10.0 gallon	3 year limited	**5607CH**

Dimensions

Approximate Dimension in Inches (mm)

Portable Generators

Catalog Number	Length	Width	Height	Weight Lbs (kg)
5723CH	23.50 (596.9)	17.00 (431.8)	17.50 (444.5)	90.50 (41.1)
5724CH	25.50 (647.7)	21.00 (533.4)	19.00 (482.6)	101.50 (46.1)
5736CH	33.50 (850.9)	26.50 (673.1)	27.50 (698.5)	180.00 (81.7)
5623CH	33.50 (850.9)	26.50 (673.1)	27.50 (698.5)	185.00 (84.0)
5625CH	33.50 (850.9)	26.50 (673.1)	27.50 (698.5)	190.00 (86.3)
5626CH	33.50 (850.9)	26.50 (673.1)	27.50 (698.5)	195.00 (88.5)
5680CH	33.50 (850.9)	26.50 (673.1)	27.50 (698.5)	200.00 (90.8)
5681CH	33.50 (850.9)	26.50 (673.1)	27.50 (698.5)	205.00 (93.1)
5734CH	48.50 (1231.9)	30.75 (781.1)	38.50 (977.9)	373.00 (169.3)
5735CH	48.50 (1231.9)	30.75 (781.1)	38.50 (977.9)	400.00 (181.6)
5604CH	30.00 (762.0)	25.25 (641.4)	26.25 (666.8)	165.00 (74.9)
5605CH	32.50 (825.5)	23.00 (584.2)	29.50 (749.3)	190.00 (86.3)
5606CH	32.50 (825.5)	23.00 (584.2)	29.50 (749.3)	200.00 (90.8)
5607CH	35.00 (889.0)	25.00 (635.0)	36.00 (914.4)	300.00 (136.2)

Standby Generator Systems

EGEN20A

EGEN150

Contents

Product Description

A standby generator system is a package of equipment specifically designed to provide substitute electrical power to a residence in the event of a utility power outage or other emergency. These systems are comprised of a generator, transfer switch and the connections necessary for installation. Eaton's standby generator line consists of air and liquid-cooled models ranging from 8000 watts up to 150,000 watts.

Air Cooled Standby

Eaton's air cooled generators range from 8–20 kW and these units are perfect for automatically backing up emergency circuits or running every circuit within a home.

Eaton's 8 and 10 kW air cooled standby generators boast 410 cc and 530 cc engines. These units are perfect for automatically backing up emergency circuits such as refrigerators, furnace fans, sump pumps and water pumps.

Eaton's 14, 17 and 20 kW air cooled standby generators offer fully automatic operation and provide most homeowners with enough power for complete whole house comfort. These units all operate at ultra quiet 66 dB, or less, sound level.

Liquid Cooled Standby

Eaton's liquid cooled generators feature automotive style engines that operate at 1800 or 3600 RPM. These units run so quiet that you'll forget that you own a generator until you need it. These units are available in steel or aluminum enclosures and are available in single- and three-phase in four voltages: 120/240V, single-phase; 120/208V, three-phase; 240V, three-phase; and 277/480V, three-phase.

Application Description

Standby generator systems are most often used in residential, agricultural and light commercial applications. Comfort and safety are key concerns of many homeowners who are dependent on an uninterrupted supply of electricity.

The increase in our dependence on power is due in part to the popularity of home offices and in-home health care. Many regions of the United States experience periodic power outages due to extreme weather conditions such as ice and snowstorms, heat waves, tornadoes or hurricanes.

Portable generator systems are primarily used for smaller homes or for construction sites where temporary power is required. Permanently installed standby systems are designed for larger homes, small businesses or secondary residences such as vacation homes, cabins, etc., that require uninterrupted power for critical loads.

Eaton highly recommends that any generator system be installed by a qualified electrician and/or generator installer.

Features, Benefits and Functions

Eaton's generator systems offer a wide range of features. All systems feature:

- Powerful engines
- Reliable Eaton transfer switches and control systems using switching duty rated circuit breakers
- Transfer switches are mechanically interlocked to prevent paralleling of normal and emergency power sources
- Automatic Transfer system features automatic start/stop and provision for using propane or natural gas
- Diagnostic panel with remote system status
- Weekly exercise function
- Automatic battery charger
- Run-time meter
- Four sound absorbing, weather-protected panels

Standards and Certifications

- CSA, cUL® and UL 2200 listed and approved
- All transfer switches are UL 67 and UL 1008 listed as "Transfer Switches"
- All generators are UL 2200 listed

Listed Listed

Catalog Number Selection

Liquid Cooled

EGEN 22 A L A N

kA Rating	
22	60
25	70
27	80
30	100
36	130
45	150
48	

Voltage Required
A = Single-phase 120/240V
G = Three-phase 208V
J = Three-phase 240V
K = Three-phase 480V

Fuel Type
N = Natural gas
L = Liquid propane

Enclosure
A = Aluminum
S = Steel

SCAQMD Compliance
N = No
Y = Yes

Product Selection

Air Cooled Standby

Catalog Number	Rated Power (LPG/NG)	Surge Watts (LPG/NG)	Engine	Operation Voltage	Rated Amps at 240V (LPG/NG)	Rated Amps at 120V (LPG/NG)	Enclosure Material	Engine Speed (Rated Sync. RPM)	Number of Cylinders	Fuel Type	Warranty	Battery Charger	Sound Emissions (dB at 7 meters)
EGEN8	8000/ 7000	12,240/ 11,040	410 cc	Fully automatic	33.3/ 29.2	66.7/ 58.4	Steel	3600	1	Liquid propane/ Natural gas	3 years	Yes	62
EGEN10	10,000/ 9000	15,120/ 13,350	530 cc	Fully automatic	41.7/ 37.5	83.4/ 75.0	Steel	3600	2	Liquid propane/ Natural gas	3 years	Yes	63
EGEN14	14,000/ 13,000	24,480/ 22,800	992 cc	Fully automatic	58.3/ 54.2	116.6/ 108.4	Steel	3600	2	Liquid propane/ Natural gas	3 years	Yes	66
EGEN17	17,000/ 16,000	30,000/ 28,080	992 cc	Fully automatic	70.8/ 66.6	141.6/ 133.2	Steel	3600	2	Liquid propane/ Natural gas	3 years	Yes	66
EGEN17A	17,000/ 16,000	30,000/ 28,080	992 cc	Fully automatic	70.8/ 66.6	141.6/ 133.2	Aluminum	3600	2	Liquid propane/ Natural gas	3 years	Yes	66
EGEN20A	20,000/ 18,000	35,000/ 31,920	999 cc	Fully automatic	83.3/ 75.0	166.6/ 150.0	Aluminum	3600	2	Liquid propane/ Natural gas	3 years	Yes	66

Liquid Cooled

Catalog Number Prefix	kW Rating	Voltages Available	Fuel Type	Enclosure	SCAQMD Compliance
EGEN22	22	**A**—120/240V, single-phase	**N**—NG/LP Field Convertible (Default setup for NG)	**A**—Aluminum	**Y**—Yes (Default Compliant)
		G—208V, three-phase			
		J—240V, three-phase			
EGEN25	25	**A**—120/240V, single-phase	**N**—NG/LP Field Convertible (Default setup for NG)	**S**—Steel	**Y**—Yes (Default Compliant)
		G—208V, three-phase			
		J—240V, three-phase			
EGEN27	27	**A**—120/240V, single-phase	**N**—NG/LP Field Convertible (Default setup for NG)	**A**—Aluminum	**Y**—Yes (Default Compliant)
		G—208V, three-phase			
		J—240V, three-phase			
EGEN30	30	**A**—120/240V, single-phase	**N**—NG/LP Field Convertible (Default setup for NG)	**S**—Steel	**Y**—Yes (Default Compliant)
		G—208V, three-phase			
		J—240V, three-phase			
EGEN36	36	**A**—120/240V, single-phase	**N**—NG/LP Field Convertible (Default setup for NG)	**A**—Aluminum	**Y**—Yes
		G—208V, three-phase			
		J—240V, three-phase			**N**—No
		K—480V, three-phase			
EGEN45	45	**A**—120/240V, single-phase	**N**—NG/LP Field Convertible (Default setup for NG)	**S**—Steel	**Y**—Yes
		G—208V, three-phase			
		J—240V, three-phase			**N**—No
		K—480V, three-phase			
EGEN48	48	**A**—120/240V, single-phase	**N**—NG/LP Field Convertible Default setup for NG)	**A**—Aluminum	**Y**—Yes
		G—208V, three-phase			
		J—240V, three-phase			**N**—No
		K—480V, three-phase			
EGEN60	60	**A**—120/240V, single-phase	**N**—Natural Gas	**A**—Aluminum	**Y**—Yes
		G—208V, three-phase			
		J—240V, three-phase	**L**—Liquid Propane	**S**—Steel	**N**—No
		K—480V, three-phase			
EGEN70	70	**A**—120/240V, single-phase	**N**—Natural Gas	**A**—Aluminum	**Y**—Yes
		G—208V, three-phase			
		J—240V, three-phase	**L**—Liquid Propane	**S**—Steel	**N**—No
		K—480V, three-phase			
EGEN80	80	**A**—120/240V, single-phase	**N**—Natural Gas	**A**—Aluminum	**Y**—Yes
		G—208V, three-phase			
		J—240V, three-phase	**L**—Liquid Propane	**S**—Steel	**N**—No
		K—480V, three-phase			
EGEN100	100	**A**—120/240V, single-phase	**N**—Natural Gas	**A**—Aluminum	**Y**—Yes
		G—208V, three-phase			
		J—240V, three-phase	**L**—Liquid Propane	**S**—Steel	**N**—No
		K—480V, three-phase			
EGEN130	130	**A**—120/240V, single-phase	**N**—Natural Gas	**A**—Aluminum	**Y**—Yes
		G—208V, three-phase			
		J—240V, three-phase	**L**—Liquid Propane	**S**—Steel	**N**—No
		K—480V, three-phase			
EGEN150	150	**A**—120/240V, single-phase	**N**—Natural Gas	**A**—Aluminum	**Y**—Yes
		G—208V, three-phase			
		J—240V, three-phase	**L**—Liquid Propane	**S**—Steel	**N**—No
		K—480V, three-phase			

Technical Data and Specifications

All systems allow the user to pre-select critical circuits that will need power during an outage as shown in the table below.

When selecting the essential circuits that will be switched to "Backup Power," it is important that the sum of the combined circuit loads does not exceed the wattage/amperage capacity of the generator. To help you with your selection of essential circuits, please add up the total wattage of all electrical devices to be connected at one time. This total should NOT be greater than the generator's wattage capacity.

Circuit Selection ①②③

Device	Running Watts
Air conditioner (12,000 btu)	1700
Air conditioner (24,000 btu)	3800
Air Conditioner (40,000 btu)	6000
Battery charger (20 amp)	500
Circular saw (6-1/2-inch)	800–1000
Clothes dryer (electric)	5750
Clothes dryer (gas)	700
Clothes washer	1150
Coffee maker	1750
Compressor (1 hp)	2000
Compressor (1/2 hp)	1400
Compressor (3/4 hp)	1800
Curling iron	700
Dehumidifier	650
Electric blanket	400
Electric range (per element)	1500
Electric skillet	1250
Freezer	700
Furnace fan (3/5 hp)	875
Garage door opener	500–750
Hair dryer	1200
Hand drill	250–1100
Iron	1200
Jet pump	800
Light bulb	100
Microwave oven	700–1000
Milk cooler	1100
Oil burner on furnace	300
Oil fired space heater (140,000 btu)	400
Oil fired space heater (30,000 btu)	150
Oil fired space heater (85,000 btu)	225
Radio	50–200
Refrigerator	700
Slow cooker	200
Submersible pump (1 hp)	2000
Submersible pump (1/2 hp)	1500
Submersible pump (1-1/2 hp)	2800
Sump pump	800–1050
Table saw (10-inch)	1750–2000
Television	200–500
Toaster	1000–1650

Dimensions

Approximate Dimension in Inches (mm)

Air Cooled Standby

Catalog Number	Length	Width	Height	Weight in Lbs (kg)
EGEN8	48.00 (1219.2)	25.00 (635.0)	29.00 (736.6)	340 (154.4)
EGEN10	48.00 (1219.2)	25.00 (635.0)	29.00 (736.6)	387 (175.7)
EGEN14	48.00 (1219.2)	25.00 (635.0)	29.00 (736.6)	439 (199.3)
EGEN17	48.00 (1219.2)	25.00 (635.0)	29.00 (736.6)	455 (206.6)
EGEN17A	48.00 (1219.2)	25.00 (635.0)	29.00 (736.6)	421 (191.1)
EGEN20A	48.00 (1219.2)	25.00 (635.0)	29.00 (736.6)	451 (204.8)

Liquid Cooled Standby

Catalog Number	Length	Width	Height	Weight in Lbs (kg)
EGEN22	62.00 (1574.8)	29.00 (736.6)	34.00 (863.6)	895 (406.3)
EGEN25	63.00 (1600.2)	30.00 (762.0)	35.00 (889.0)	875 (397.3)
EGEN27	64.00 (1625.6)	31.00 (787.4)	36.00 (914.4)	891 (404.5)
EGEN30	60.00 (1651.0)	32.00 (812.8)	37.00 (939.8)	935 (424.5)
EGEN36	77.00 (1955.8)	34.00 (863.6)	45.00 (1143.0)	1683 (764.1)
EGEN45	78.00 (1981.2)	35.00 (889.0)	46.00 (1168.4)	1414 (642.0)
EGEN48	79.00 (2006.6)	36.00 (914.4)	47.00 (1193.8)	1703 (773.2)
EGEN60 ④	80.00 (2032.0)	37.00 (939.8)	48.00 (1219.2)	1650 (749.1)
EGEN70 ④	97.00 (2463.8)	37.00 (939.8)	48.00 (1219.2)	2185 (992.0)
EGEN80 ④	115.00 (2921.0)	36.80 (934.7)	79.00 (2006.6)	2010 (912.5)
EGEN100 ④	116.00 (2946.4)	36.80 (934.7)	80.00 (2032.0)	2705 (1228.1)
EGEN130 ④	117.00 (2971.8)	36.80 (934.7)	81.00 (2057.4)	2873 (1304.3)
EGEN150 ④	118.00 (2997.2)	36.80 (934.7)	82.00 (2082.8)	2666 (1210.4)

Notes

① The rated wattage of lights can be taken from light bulbs. The rated wattage of tools, appliances and motors can usually be found on a data plate or decal affixed to the device.

② If the appliance, tool or motor does not give wattage, multiply 120 volts times the ampere rating to determine watts (volts x amps = watts).

③ Some electric motors (induction types) require about three times more watts of power for starting than for running. This surge lasts for only a few seconds. Be sure you allow for this high starting wattage when selecting electrical devices that will be energized by the backup power system:
Figure the watts required to start the largest motor.
Add that to the total running watts of all other connected loads.

④ All weights are given with steel enclosures.

Residential Automatic Transfer Switches

Contents

Product Description

50, 100, 150, 200 and 400A Fully Automatic

All Eaton switches monitor utility and generator voltages and will automatically connect to the appropriate source of power.

Green Line of Automatic Transfer Switches

With the rising cost of commodities and fuel in today's economy, consumers are concerned with maximizing the value of their purchases.

Electrical loads are now intelligently managed with Eaton's Green Line of automatic transfer switches (ATS). With these ATSs, the consumer can maximize the output of a smaller generator and reduce upfront and ongoing costs.

As a part of our commitment to quality, every Green ATS, at no extra cost, will ship with Eaton's CHSPULTRA.

CHSP will help prevent potential damage that can be caused by surges in the utility line.

ATS Ready Loadcenter

Eaton's Lincoln Flex Center announces the release of the ATS Ready loadcenter. With increasing power outage concerns and an aging electrical infrastructure, emergency power is more important than ever. Eaton's ATS Ready loadcenter addresses future emergency power needs by enabling a fast, efficient installation of an automatic transfer switch kit to convert from utility to emergency power. The ATS Ready loadcenter gives homebuilders and electrical contractors the flexibility to easily add an ATS in the future. The ATS Ready loadcenter is currently available in Eaton's premium CH brand. Order your ATS Ready loadcenter today. ATS kit can be ordered separately or factory installed!

- CH 200A single-phase MCB 36-circuit loadcenter
- For use with 7–12 kW generators
- NEMA 1 design
- Cat. No. CH36B200EGP
- Order 50A transfer switch kit separately
- ATS Kit Cat. No. CHEGR50KIT
- ATS factory installed in ATS Ready loadcenter—Cat. No. CH36B200EGPK
- CH cover included

Application Description

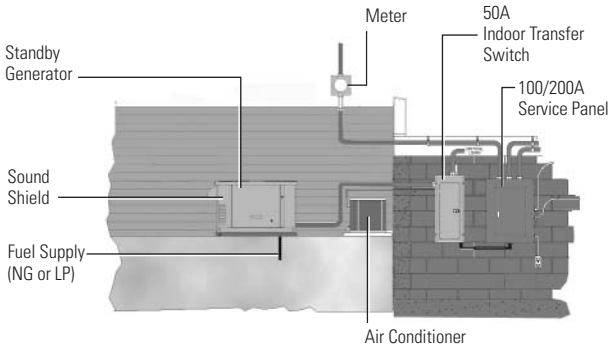
100, 200 and 400A switches are capable of "whole house" power transfer in residential/ small business applications.

Standards and Certifications

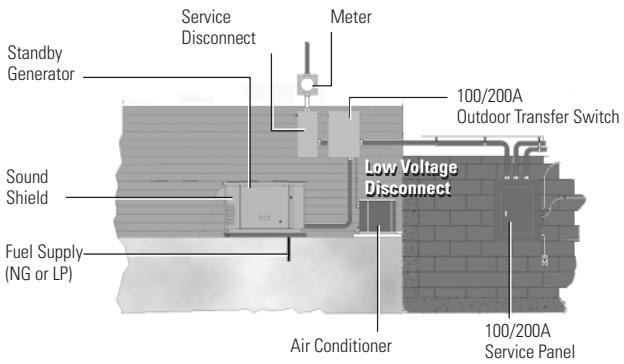
- UL 1008 listed

UL Listed

50A—Indoor Installation—Selected Load Pre-Wired

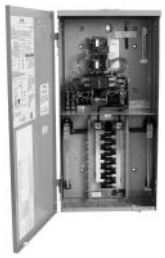


100/200A—Outdoor Installation—Whole House Pre-Wired



Product Selection

EGS100L24R



Automatic Transfer Switches

Voltage	Circuits Included	Service Entrance Disconnect	Amperes	Load Mgmt.	CHSHP Ultra Surge Included	No. of Poles	Frequency	UL Listed	Switch Type	Enclosure	Catalog Number
Standard Automatic Transfer Switches											
120/240	12	No	50	No	No	2	50/60	1008	Electrically held	NEMA 1 (indoor)	**EGS50L12**
120/240	12	No	50	No	No	2	50/60	1008	Electrically held	NEMA 3R (outdoor)	**EGS50L12R**
120/240	N/A	No	100	No	No	2	50/60	1008	Mechanically held	NEMA 3R (outdoor)	**EGS100**
120/240	N/A	Yes	100	No	No	2	50/60	1008	Mechanically held	NEMA 3R (outdoor)	**EGS100SE**
120/240	24	No	100	No	No	2	50/60	1008	Mechanically held	NEMA 3R (outdoor)	**EGS100L24R**
120/240	N/A	No	200	No	No	2	50/60	1008	Mechanically held	NEMA 3R (outdoor)	**EGS200**
120/240	N/A	Yes	200	No	No	2	50/60	1008	Mechanically held	NEMA 3R (outdoor)	**EGS200SE**
120/240	N/A	Yes	400	No	No	2	50/60	1008	Mechanically held	NEMA 3R (outdoor)	**EGS400NSE**
Green Automatic Transfer Switches											
120/240	N/A	No	100	Yes	Yes	2	50/60	1008	Mechanically held	NEMA 3R (outdoor)	**EGSU100AC**
120/240	N/A	Yes	100	Yes	Yes	2	50/60	1008	Mechanically held	NEMA 3R (outdoor)	**EGSU100NSEAC**
120/240	24	No	100	Yes	Yes	2	50/60	1008	Mechanically held	NEMA 3R (outdoor)	**EGSU100L24RAC**
120/240	N/A	Yes	150	Yes	Yes	2	50/60	1008	Mechanically held	NEMA 3R (outdoor)	**EGSU150NSEAC**
120/240	N/A	No	200	Yes	Yes	2	50/60	1008	Mechanically held	NEMA 3R (outdoor)	**EGSU200AC**
120/240	N/A	Yes	200	Yes	Yes	2	50/60	1008	Mechanically held	NEMA 3R (outdoor)	**EGSU200NSEAC**
120/240	N/A	Yes	400	Yes	Yes	2	50/60	1008	Mechanically held	NEMA 3R (outdoor)	**EGSU400NSEAC**

ATS Ready Loadcenters

	Description	Catalog Number
CH36B200EGP	ATS Ready loadcenter	**CH36B200EGP**

CHEGR50KIT	ATS kit for ATS Ready loadcenter	**CHEGR50KIT**

CH36B200EGPK	ATS Ready LC with factory-installed ATS kit	**CH36B200EGPK**

Dimensions

Approximate Dimension in Inches (mm)

Automatic Transfer Switches

Catalog Number	Width	Height	Depth	Weight Lbs (kg)
EGS50L12	14.25 (362.0)	21.00 (533.4)	4.00 (101.6)	25 (11.33)
EGS50L12R	14.25 (362.0)	21.00 (533.4)	6.00 (152.4)	29 (13.15)
EGS100	14.46 (367.3)	16.87 (428.5)	5.32 (135.1)	25 (11.33)
EGS100SE	14.46 (367.3)	16.87 (428.5)	5.32 (135.1)	28 (12.70)
EGS100L24R	14.46 (367.3)	29.33 (744.0)	5.32 (135.1)	38 (17.24)
EGS200	14.46 (367.3)	25.08 (637.0)	5.25 (133.4)	35 (15.87)
EGS200SE	14.46 (367.3)	29.20 (741.7)	5.32 (135.1)	45 (20.41)
EGS400NSE	23.14 (587.8)	35.55 (903.0)	10.00 (254.0)	120 (54.43)
EGSU100AC	14.46 (367.3)	16.87 (428.5)	5.32 (135.1)	25 (11.33)
EGSU100NSEAC	14.46 (367.3)	16.87 (428.5)	5.32 (135.1)	28 (12.70)
EGSU100L24RAC	14.46 (367.3)	29.33 (745.0)	5.32 (135.1)	38 (17.24)
EGSU150NSEAC	14.46 (367.3)	29.20 (741.7)	5.32 (135.1)	45 (20.41)
EGSU200AC	14.46 (367.3)	25.08 (637.0)	5.25 (133.4)	35 (15.88)
EGSU200NSEAC	14.46 (367.3)	29.20 (741.7)	5.32 (135.1)	45 (20.41)
EGSU400NSEAC	23.14 (587.8)	35.55 (903.0)	10.00 (254.0)	120 (54.43)

3.4 Residential Standby Power

Automatic Transfer Switches