

Power*source*

Generator Rentals, Sales & Service, Inc.

Chicagoland & Midwest

Locations in: Antioch • Fox Lake • Addison • Bridgeview • Channahon

24/7 Emergency Support

“All the Power You Need”

(847) 587-3991 (877) 797-7723

We offer:

- ***Mobile Rental Diesel Generators 5kW-2000kW***
- ***Cables, Panels, Transfer Switches***
- ***Electric Heaters***
- ***Transformers to 5000kVA***
- ***On-Site Re-fueling***
- ***24 hour service support***

About us:

Powersource Generator Rentals, Sales & Service, Inc. was formed by experienced Industry professionals with over 30 years of combined industry knowledge of the temporary and permanently installed power and temperature control market. When you call on **Powersource**, take confidence in the fact that your dealing with professionals who care about your needs and will put in the time to understand the details of your job. With this experience, comes the cost savings by knowing how to execute your job in the most economical way.

Rentals:

For rental applications, **Powersource** offers a wide variety of well-maintained mobile generator sets and power distribution equipment. Our rental generators are all diesel-powered, sound-attenuated, skid-mounted or trailer mounted, and range in size from 5kW through 2MgW. Our rental generator fleet is one of the newest and well maintained in the industry, which helps reduce those unexpected failures you often have when you rent older machines from the big "Rental Houses". We specialize in generators and power distribution equipment, so we know what needs to be done to make these machines as reliable and efficient as possible.

We Support You All the Way:

Powersource doesn't just stop at rental generators, we also offer rental transformers up to 5,000 kVA, temporary cam-lok and bare-end low voltage cabling of all ampacities, light towers, portable job-site heaters, on-site re-fueling/maintenance services and direct response 24 hour emergency service support.

Permanent Installs:

Powersource also offers permanent power solutions for residential, commercial and industrial clients. Permanent installs of natural gas, LP and diesel generators from 8kW through 2.5MgW are available with automatic transfer switches for seamless back-up power generation and restoration when utility failures occur. All permanent installation work is done by skilled licensed electricians and generator technicians.

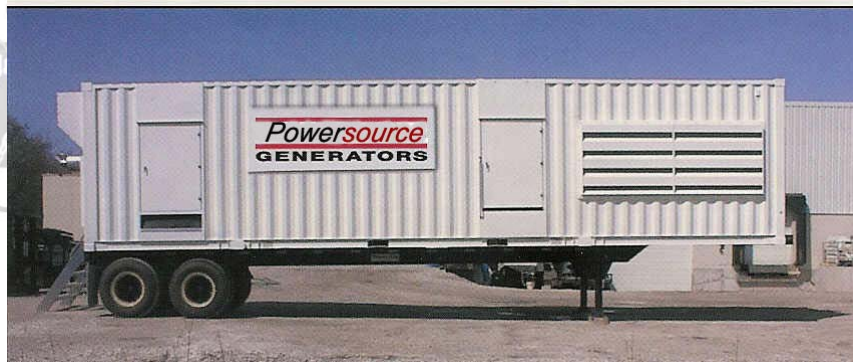
To support our permanent installations, we offer comprehensive and affordable generator maintenance programs which match your needs and usage. With the right maintenance comes the peace of mind that your back up system will perform when you need it most.

• We Rent Towable Generators



- 20kW-400kW
- Voltage Switchable to 120/240V, 120/208V, 480/277V
- Super Silent
- Fuel Efficient Diesel Engines

• We Rent Containerized Generators



- 500kW thru 2000kW (Trailer or Skid Mounted)
- Sound Attenuated
- Various Voltages Available
 - 480V Three Phase Units
 - Primary Voltage Units 4160V-13.8kV

• We Rent Temporary Cable & Distro



- Color/Phase Coded
- Cam-lok connectors
- 6/4 Bare end cable
- 4/0 cable (400A)
- 50' & 100' Lengths available
- 600V Rating

• We Rent Transformers



- Small to Medium Air Cooled or Oil Cooled
 - 15kVA to 500kVA
 - 208 volt to 480 volt
- Pad Mounted Transformers Oil Cooled
 - 1500kVA to 5000kVA
 - 480 volt to 4160/12470-13200 w/multi tap

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kV – A/kW Amperage Chart – 80% Power Factor

kVA	kW	208	220	240	380	400	440	450	480
6.3	5	17.5	16.6	15.2	9.6	9.1	8.3	8.1	7.6
9.4	8	26.1	24.7	22.6	14.3	13.6	12.3	12.1	11.3
12.5	10	34.7	32.8	30.1	19.0	18.1	16.4	16.1	15.1
18.7	15	52.0	49.1	45.0	28.4	27.0	24.6	24.0	22.5
25	20	69.5	65.7	60.2	38.0	36.1	32.8	32.1	30.1
31.3	25	87.0	82.2	75.4	47.6	45.2	41.1	40.2	37.7
37.5	30	104.2	98.5	90.3	57.0	54.2	49.3	48.2	45.2
50	40	139	131	120	76	72	65.7	64.2	60.2
62.65	50	174	165	151	95	91	82.3	80.5	75.4
75	60	208	197	181	114	108	98.5	96.3	90.3
93.8	75	261	246	226	143	136	123.2	120.5	113.0
100	80	278	263	241	152	145	131	128	120
125	100	347	328	301	190	181	164	161	151
156	125	434	410	376	237	225	205	200	188
187	150	520	491	450	284	270	246	240	225
219	175	609	575	527	333	316	288	281	264
250	200	695	657	602	380	361	328	321	301
312	250	867	820	751	475	451	410	401	376
375	300	1042	985	903	570	542	493	482	452
438	350	1217	1151	1055	666	633	575	563	527
500	400	1390	1314	1204	761	723	657	642	602
625	500	1737	1642	1505	951	903	821	803	753
750	600	2084	1971	1806	1141	1084	985	963	903
875	700	2432	2299	2107	1331	1264	1150	1124	1054
1000	800	2779	2627	2408	1521	1445	1314	1285	1204
1125	900	3126	2956	2710	1711	1626	1478	1445	1355
1250	1000	3474	3284	3011	1901	1806	1642	1606	1505
1563	1250	4344	4107	3764	2378	2259	2053	2008	1882
1875	1500	5211	4926	4516	2852	2710	2463	2408	2258
2188	1750			5270	3328	3162	2874	2811	2635

Electrical Formulas

To Find	Direct Current	Alternating Current		
		Single Phase	Two-Phase Four Wire	Three Phase
Amperes when HP is known	$\frac{HP \times 746}{E \times EFF}$	$\frac{HP \times 746}{E \times EFF \times PF \times 2}$	$\frac{HP \times 746}{2 \times E \times EFF \times PF}$	$\frac{HP \times 746}{E \times EFF \times PF \times 1.73}$
Amperes when Kilowatts are known	$\frac{KW \times 1000}{E}$	$\frac{KW \times 1000}{E \times PF}$	$\frac{KW \times 1000}{2 \times E \times PF}$	$\frac{KW \times 1000}{E \times PF \times 1.73}$
Amperes when "KVA" is known		$\frac{KVA \times 1000}{E}$	$\frac{KVA \times 1000}{2 \times E}$	$\frac{KVA \times 1000}{E \times 1.73}$
Kilowatts	$E \times I \times EFF$	$\frac{E \times I \times PF}{1000}$	$\frac{E \times I \times 2 \times PF}{1000}$	$\frac{E \times I \times 1.73}{1000}$
Kilovolt-Amperes "KVA"		$\frac{I \times E}{1000}$	$\frac{I \times E \times 2}{1000}$	$\frac{I \times E \times 1.73}{1000}$
Horsepower (Output)	$\frac{E \times I \times EFF}{746}$	$\frac{E \times I \times EFF \times PF}{746}$	$\frac{E \times I \times 2 \times EFF \times PF}{746}$	$\frac{E \times I \times EFF \times PF \times 1.73}{746}$

E = Voltage

I = Amps

PF = Power Factor

EFF = Efficiency

HP = Horsepower

Powersource does it all. From *Commercial* and *Construction* applications to *Industrial* and *Utility* applications.

We provide:

- On-site Maintenance and Field Services
- On-Site Crew Training
- 24/7 Emergency Response Support
- Safety Trained Technicians
- Scheduled Fuel Deliveries
- Equipment delivered by Powersource Trucks and Trained Technicians.
- Courteous Drivers
- All Trucks GPS Dispatched and Routed
- On-Time, Every Time

Powersource

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Contact Us Anytime!

Main Numbers: (877) 797-7723 or (847) 587-3991

Emergencies: (312) 296-3828 / (847) 395-5539

Fax: (847) 587-3994

<http://www.powersourcegens.com>