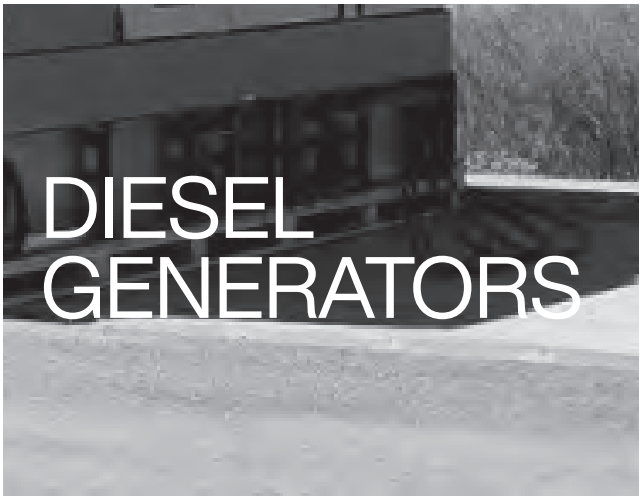
ELECTRONIL®

POWER SOLUTIONS



Power Generators
Soundproofing Solutions
Power Transfer Switches
Paralleling Systems
Switchgears
Controls

Generator Maintenance
Services Agreements
Control System Upgrade
Battery Chargers
Spareparts
Consumables

ELECTRONIL POWER SOLUTIONS

SINC

POWER IS W

WHY ELECTRONIL !

We are a group of fearless thinkers, driven to empower people all over the nation – with reliable, revolutionary generators, power systems and power solutions.

We are nearly 30 years in the Egyptian markets, and only getting better. For the last two decades, we have engineered and shaped the future, redefining what power means to people's lives, careers and lifestyles.

We exist for one reason: to move you forward.

WHAT WE DO

لم تختار منتجات إلكترونيل !

نحن مجموعة من المفكرين لا يخافون الإبتكار، مدفوعون بشغف تمكين عملائنا في جميع أنحاء البلاد - بمحطات توليد طاقة إعتمادية وموثوقة، بالإضافة إلى أنظمة وحلول متكاملة للطاقة.

لدينا ما يقرب من ٣٠ عاماً من الخبرة في الأسواق المصرية، ونعمل في تقدم دائم. على مدار العقدين الزمنيين الماضيين، قمنا بتصميم وصياغة المستقبل، وإعادة صياغة المعنى الحقيقي للطاقة الكهربية لحياة عملائنا وأعمالهم وأنماط حياتهم.

نعمل بجهد لسبب واحد: للحفاظ على تقدمكم.

WE ARE ELECTRONIL.

Our Capabilities

Power Generation Systems Design and Supply

Complex Standby Systems, Synchronization and Load Sharing Including Multiple Utility Grid

Parallel with Utility Grid Operation

Power Stations

Mains, Feeder and Load Shedding Control Systems

BMS, SCADA and Remote Monitoring Systems

Low-Voltage Panel Building

Engine Driven Compressors and Pumps

Marine Certified Systems

Water Pump and Dredging Control Systems

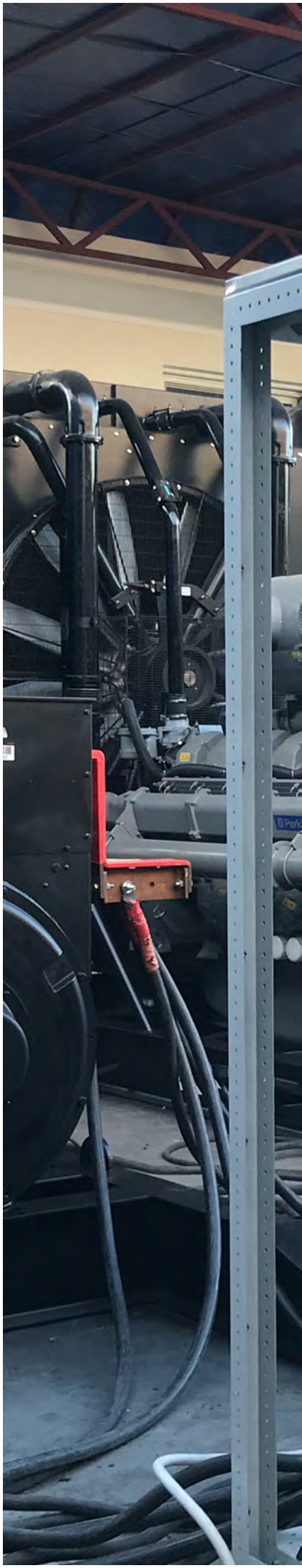
Design, Supply, Install, Commissioning, Startup and Service

Standard, Sophisticated and Bespoke Control Systems

Design

Engineering

Training and Technical Support




ELECTRONIC POWER SOLUTIONS

OUR STORY

A Magnificent force in power solutions since 1995, **ELECTRONIL POWER SOLUTIONS** is committed to reliable, intelligent products, advanced engineering and responsive after-sale support.

Over the years, we have amplified our well-known reputation to be a leader known for its premium range of generator-sets and control systems. Together, with building on the legacy of a leading brand, to create one of the largest generator-set and control systems providers in Egypt - and continued an unwavering focus on reliable power systems and innovation.

We deliver integrated industrial power systems for emergency, prime and continuous applications throughout whole Egypt—from data centers and hospitals to water treatment and hospitality facilities. With a deep understanding of your industry, we excel in designing customized power systems that simplify your most complex challenges.

من نحن

تُعد شركة **إلكترونيل لحلول الطاقة** قوة رائدة في مجالات حلول الطاقة الكهربية منذ عام ١٩٩٥، ومنذ ذلك الحين ونحن نلتزم بإمداد عملائنا بمنتجات موثوقة وذكية ومتطورة هندسياً بالإضافة إلى دعم سريع الاستجابة لخدمة ما بعد البيع والصيانة.

على مر الأعوام، ضاعفنا من سمعتنا المعروفة لكوننا من أكبر الكيانات الرائدة والمعروفة بمنتجاتها المتميزة من وحدات توليد الطاقة الكهربية وأنظمة التحكم والحماية والتشغيل. بالإضافة إلى، واستنادًا إلى إرث علامة تجارية رائدة، قمنا بإنشاء واحد من أكبر مزودي الأسواق المصرية بأنظمة الطاقة المتكاملة وأنظمة تحكم وتشغيل وحماية إعتمادية وموثوقة على مستوى جمهورية مصر العربية - واستمر التركيز المستمر على إبتكار أنظمة طاقة متكاملة وموثوقة ومتطورة.

نقوم بتقديم أنظمة توليد طاقة صناعية متكاملة لتطبيقات الطوارئ والمحطات الرئيسية والطاقة المستمرة في جميع أنحاء جمهورية مصر العربية - من مراكز المعلومات والمستشفيات إلى محطات معالجة مياه الشرب والصرف الصحي والفنادق. بدراسة وفهم عميق لمجال عملك، نتميز في تصميم أنظمة طاقة متكاملة ومتخصصة والتي تعمل على تبسيط التحديات الأكثر تعقيدًا التي يمكن أن تقابلك.

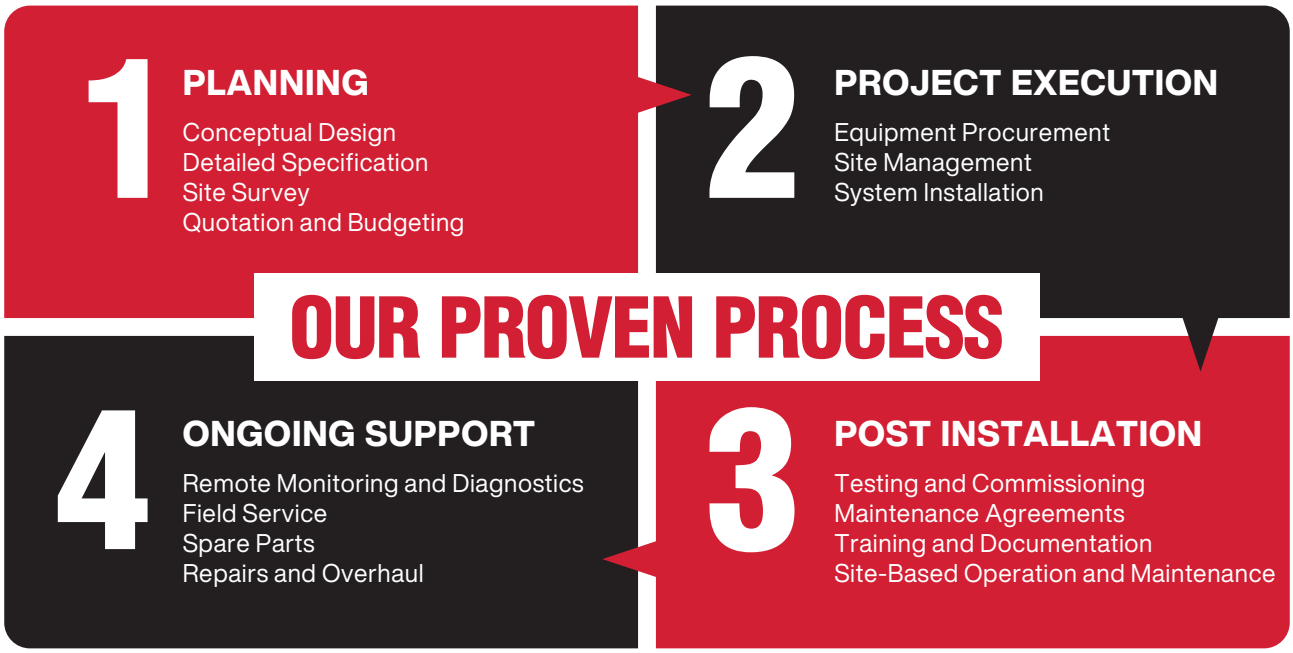
TOTAL SYSTEM INTEGRATION

Everything works together, Just as it should.

A Power System is only as good as the parts that define it. That's why we engineer every detail down to the last bolt. From generators and power transfer switches to paralleling systems and switchgear and controllers, everything works together seamlessly. Because we design, engineer and test it that way.

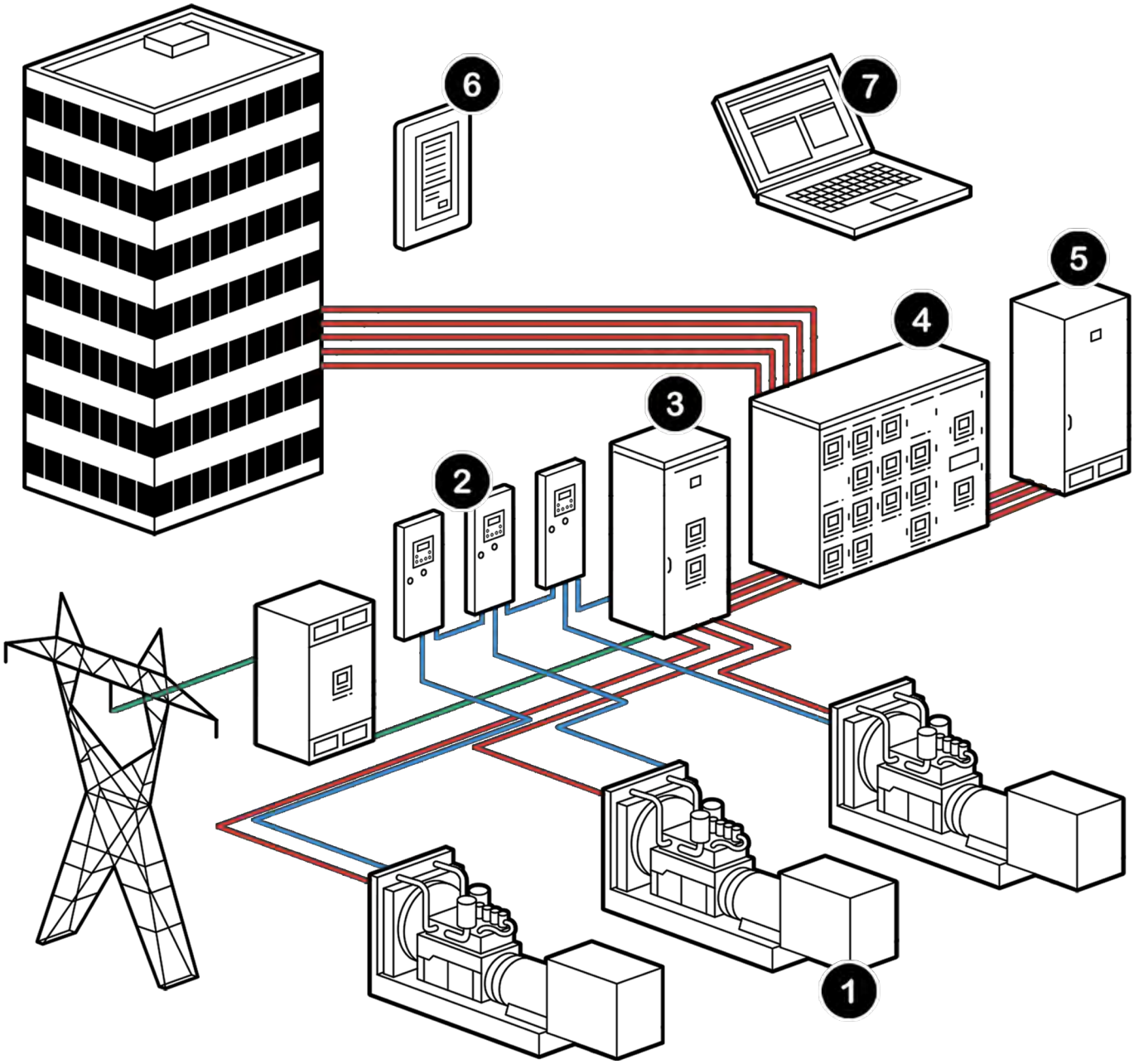
And that's the ELECTRONIL Difference.

Good news: There is more, behind that power system, there is a team of dedicated engineers that focuses on every element-generators, power transfer switches, switchgears and control systems — to be sure that the system you get is the system you need. You will know that your project is supported by an expert team, customized to your exact needs, brought in on budget and on time.



From spec to start-up to service, WE DO IT ALL.

Discover more at electronil.com/total_system_integration



TOTAL SYSTEM INTEGRATION

1. **ED SERIES DIESEL GENERATORS**
   Powered by Perkins, Volvo-Penta, or Cummins Diesel Engines, 9 - 3000 kVA

2. **ENCP 9.1 GENSETS PARALLELING SYSTEM**
   2-32 Generator set paralleling system with automatic power management and automatic engine run-hour balancing.

3. **ENCP 9.3/ENCP 6.x TRANSFER SWITCH**
   40-4000 A Power transfer switches, available in standard, bypass-isolation and service entrance switch configurations.

4. **ELECTRONIL POWER DISTRIBUTION PANEL**
   MCB, MCCB and ACB, Up to 6000 Amps.

5. **ELECTRONIL POWER FACTOR CORRECTION SYSTEMS**
   Up to 15 steps.

6. **REMOTE ANNUNCIATOR**
   Optional remote system monitoring.

7. **THE SUPERVISOR MONITORING SOFTWARE**
   Monitors generators and control systems from a PC and Smart Phones (Optional) Modbus or Ethernet.

ED SERIES GENERATORS

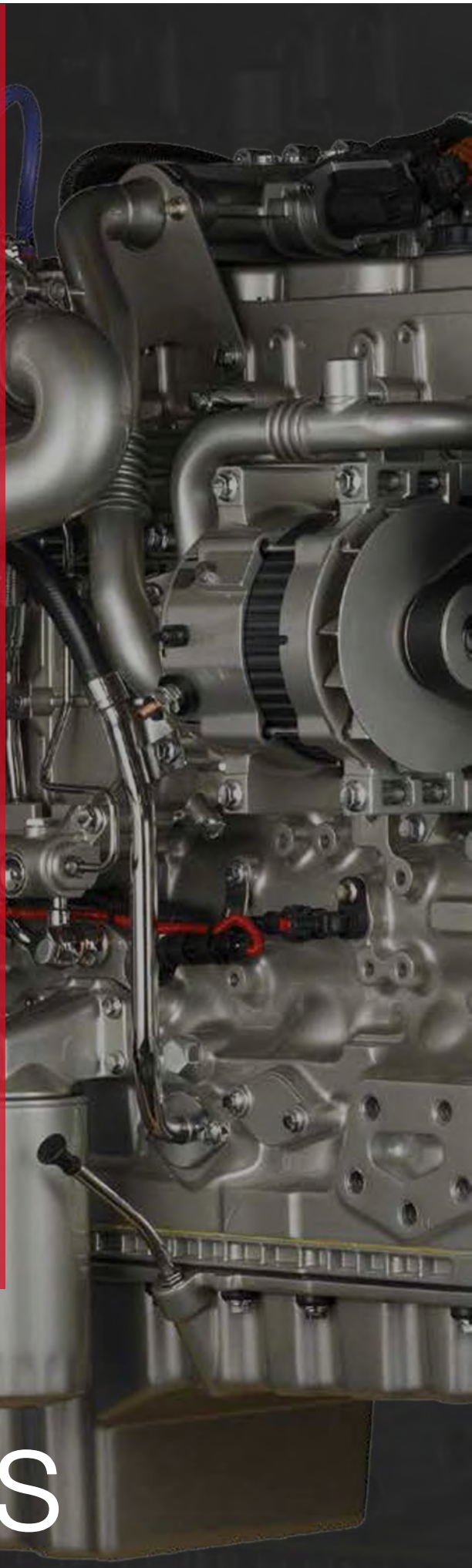
Built for the most critical jobs on earth.

Think about the most important places in the world:

- **Hospitals**
- **Airports**
- **Data Centers**
- **Water Treatment plants, etc.**

Those are the places we've designed our systems to protect. The ones that absolutely have to have power—no matter what.

And with diesel generators ranging from 9 to 3000 kVA, there's no job too small, no building too big. The ELECTRONIL ED Series Diesel Generators and ENCP Control Systems are built to protect the most critical facilities on earth. And you can customize them any way you like with a variety of accessories.



DIESEL GENERATORS

KEY FOR READING ED SERIES CODES

Standard Prefix
E: ELECTRONIL

Product Type
D: Diesel Genset

Soundproof Canopy
C

Rated Power
Prime kVA @ 400v, 1500rpm, 50Hz

E D 2250 P 16 L C

Engine Type
P: Perkins
V: Volvo Penta
C: Cummins

Generator type
L: Leroy Somer
S: Stamford

Number of Cylinders
03 - 08: 3-8 Cylinders, In-Line Formation
12 - 16 : 12-16 Cylinders, Vee Form

RATINGS DEFINITIONS

Discover more at electronil.com/diesel_generators

PRIME POWER RATING

Output available with varying loads for an unlimited time. Average power output is 70% of the prime power rating. Typical peak demand is 100% of prime rated kWe with 10% overload capability for emergency use for a maximum of 1 hour in 12 hours. Overload operation cannot exceed 25 hours per year.

STANDBY POWER RATING

Output available with varying loads for the duration of the interruption of the normal source power. Average power output is 70% of the standby power rating. Typical operation is 200 hours per year, with maximum expected usage of 500 hours per year.

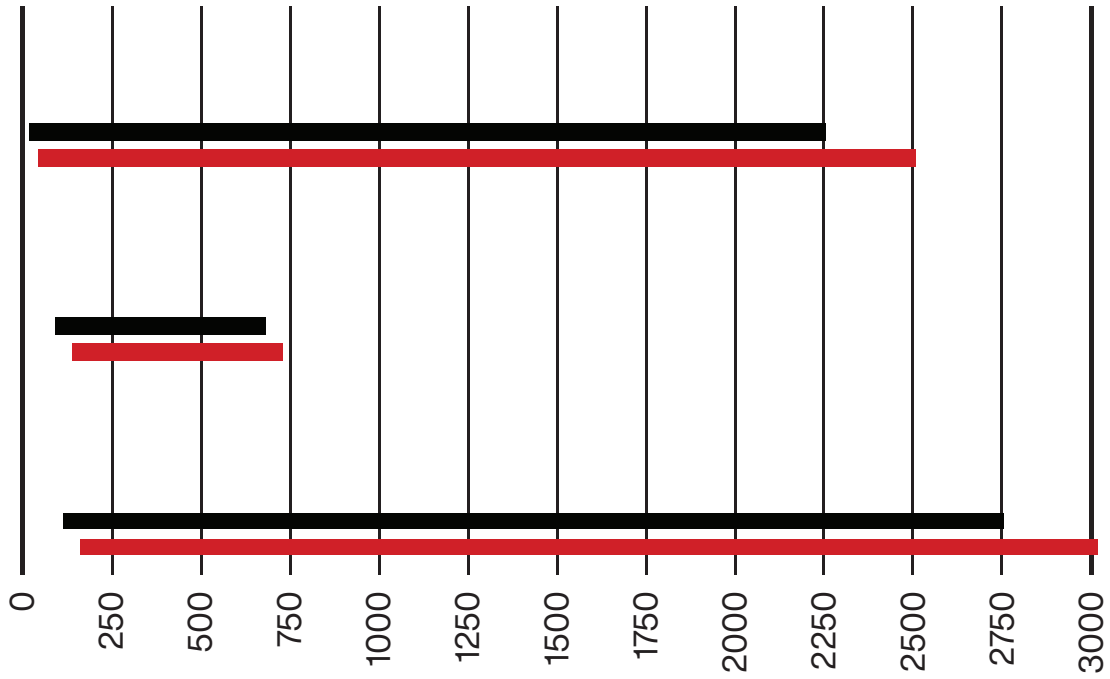
CONTINUOUS POWER RATING

Output available with non-varying load for an unlimited time. Average power output is 70-100% of the continuous power rating. Typical peak demand is 100% of continuous rated kWe for 100% of the operating hours.

Perkins
Prime 15 - 2250
Standby 17 - 2500

VOLVO PENTA
Prime 135 - 650
Standby 150 - 700

Cummins Power Generation
Prime 100 - 2750
Standby 110 - 3025



Rated Power
by (kVA)

Discover more at electronil.com/ed_series

ED P Series Generators.

Powered by Perkins Diesel Engines.

15-2500 kVA.

GENSET	RATED POWER				ENGINE		GENERATOR		DIMENSIONS AND WEIGHT							
MODEL	400volts, 1500rpm, 50hz				Model	Fuel Con.	Model		OPEN FRAME				SOUNDPROOF CANOPY			
	Prime		Standby		Perkins	100%	Stamford	Leroy Somer	(L)	(W)	(H)	Weight	(L)	(W)	(H)	Weight
	kVA	kWe	kVA	kWe		Lt/hr			cm			kg	cm			kg
ED P Series Designates A 50 Hz Genset With A Fuel Optimized Perkins Diesel Engines and Stamford or Leroy Somer Generators																
ED0015P03	15	12	17	13	403A-15G	5	S0L1-P1	TAL040D	150	70	120	445	200	100	120	795
ED0020P03	20	16	22	18	404A-22G	5.3	S0L2-G1	TAL040F	150	70	120	520	200	100	120	865
ED0030P03	30	24	33	26	1103A-33G	7.2	S0L2-P1	TAL042C	170	80	140	745	215	110	140	1175
ED0045P03	45	36	50	40	1103A-33TG1	10.8	UCI224D	TAL042F	180	90	140	880	250	110	140	1405
ED0060P03	60	48	66	53	1103A-33TG2	14.1	S1L2-Y1	TAL042H	180	90	140	910	250	110	140	1435
ED0065P04	65	52	72	57	1104A-44TG1	14.8	UCI224F	TAL044A	180	90	140	985	250	110	140	1550
ED0080P04	80	64	88	70	1104A-44TG2	18.7	UCI224G	TAL044B	190	100	150	1035	270	120	150	1600
ED0100P04	100	80	110	88	1104C-44TAG2	22.6	UCI274C	TAL044D	190	100	150	1145	270	120	150	1710
ED0135P06	135	108	150	120	1106A-70TG1	30.2	UCI274E	TAL044H	250	110	165	1420	330	130	165	2220
ED0150P06	150	120	165	132	1106A-70TAG2	33.4	UCI274F	TAL044J	250	110	165	1520	330	130	165	2320
ED0180P06	180	144	200	160	1106A-70TAG3	41.6	UCI274G	TAL046A	250	110	165	1600	330	130	165	2370
ED0200P06	200	160	220	176	1106A-70TAG4	45.8	UCI274H	TAL046B	260	120	185	1645	375	150	185	2515
ED0250P06	250	200	275	220	1506A-E88TAG3	56	UCDI274K	TAL046D	260	120	185	2115	375	150	185	2965
ED0300P06	300	240	330	264	1506A-E88TAG5	65	S4L1D-D41	TAL046F	300	135	200	2375	400	165	200	3225
ED0350P06	350	280	400	320	2206A-E13TAG2	71	S4LID-E41	TAL046H	320	135	200	2805	450	165	200	3855
ED0400P06	400	320	450	360	2206A-E13TAG3	81	S4L1D-F41	TAL047A	320	135	200	3140	450	165	200	3990
ED0450P06	450	360	500	400	2506A-E15TAG1	95	HCI5C	TAL047B	350	135	230	3400	500	200	230	4650
ED0500P06	500	400	550	440	2506A-E15TAG2	100	HCI5D	TAL047C	350	135	230	3530	500	200	230	4780
ED0600P06	600	480	660	528	2806A-E18TAG1	123	HCI5E	TAL047E	350	135	230	4095	500	200	230	5345
ED0650P06	650	520	700	560	2806A-E18TAG2	132	HCI5F	TAL047F	350	135	230	4435	500	200	230	5735
ED0750P06	750	600	825	660	4006-23TAG2A	157	HCI6G	TAL049C	400	150	280	5290	550	250	280	6690
ED0800P06	800	640	880	704	4006-23TAG3A	172	HCI6G	TAL049C	400	175	280	5290	550	250	280	6690
ED0900P08	911	728	1000	800	4008TAG1A	195	HCI6H	TAL049D	480	210	320	7440	750	290	320	8940
ED1000P08	1000	800	1100	880	4008TAG2A	215	HCI6J	LSA49.3L10	480	210	320	7600	750	290	320	9100
ED1250P12	1250	1000	1375	1100	4012-46TWG2A	259	PI7A	LSA50.2M6	520	220	320	9050	750	290	320	10550
ED1360P12	1364	1091	1500	1200	4012-46TWG3A	220	PI7B	LSA50.2L7	520	220	320	9050	750	290	320	10550
ED1500P12	1500	1200	1650	1320	4012-46TAG2A	310	PI7C	LSA50.2L8	520	220	320	8420	750	290	320	9920
ED1700P12	1710	1368	1880	1504	4012-46TAG3A	370	PI7E	LSA51.2S55	520	220	320	9460	750	290	320	10960
ED1840P16	1844	1475	2028	1623	4016-TAG1A	383	PI7E	LSA51.2S55	600	250	350	10630	800	300	350	12130
ED2000P16	2000	1600	2200	1760	4016-TAG2A	434	PI7F	LSA51.2L70	600	250	350	10910	800	300	350	12410
ED2200P16	2200	1760	2420	1936	4016-61TRG3	470	PI7G	LSA51.2VL90	600	250	350	11125	800	300	350	12625
ED2250P16	2250	1800	2500	2000	4016-61TRG3	470	PI7H	LSA51.2VL90	600	250	350	11400	800	300	350	12900

Dimensions and Weight are for Reference Only - Do Not Use for Installation Design.
Contact our Technical Department for the Exact Dimensions and Weight.

Discover more at electronil.com/ed_p_series

ED V Series Generators.
Powered by Volvo Penta Diesel Engines.

135-700 kVA.

GENSET	RATED POWER				ENGINE		GENERATOR		DIMENSIONS AND WEIGHT							
MODEL	400volts, 1500rpm, 50hz				Model	Fuel Con.	Model		OPEN FRAME				SOUNDPROOF CANOPY			
	Prime		Standby		Volvo Penta	100%	Stamford	Leroy Somer	(L)	(W)	(H)	Weight	(L)	(W)	(H)	Weight
	kVA	kWe	kVA	kWe		Lt/hr			cm			kg	cm			kg
ED V Series Designates A 50 Hz Genset With A Fuel Optimized Volvo Pents Diesel Engines and Stamford or Leroy Somer Generators																
ED0135V06	135	108	149	119	TAD730GE	34.6	UCI274E	TAL044H	250	110	165	1500	330	130	165	2300
ED0150V06	150	120	165	132	TAD731GE	41.5	UCI274F	TAL044J	250	110	165	1535	330	130	165	2335
ED0200V06	200	160	220	176	TAD733GE	47	UCI274H	TAL046B	260	120	185	1705	375	150	185	2555
ED0250V06	250	200	275	220	TAD734GE	54	UCDI274K	TAL046D	260	120	185	2000	375	150	185	2850
ED0300V06	300	240	330	264	TAD1341GE	63	S4L1D-D41	TAL046F	320	135	200	3000	450	165	200	3980
ED0350V06	350	280	385	308	TAD1342GE	68	S4LID-E41	TAL046H	320	135	200	3115	450	165	200	4165
ED0400V06	400	320	450	360	TAD1344GE	80	S4L1D-F41	TAL047A	320	135	200	3450	450	165	200	4300
ED0450V06	450	360	500	400	TAD1640GE	90	HCI5C	TAL047B	350	135	230	3675	500	200	230	4925
ED0500V06	500	400	550	440	TAD1641GE	100	HCI5D	TAL047C	350	135	230	3805	500	200	230	5055
ED0650V06	650	520	700	560	TWD1644GE	120	HCI5F	TAL047E	400	150	280	4585	550	250	280	5885

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ED C Series Generators.
Powered by Cummins Diesel Engines.

100-3025 kVA.

GENSET	RATED POWER				ENGINE		GENERATOR		DIMENSIONS AND WEIGHT							
MODEL	400volts, 1500rpm, 50hz				Model	Fuel Con.	Model		OPEN FRAME				SOUNDPROOF CANOPY			
	Prime		Standby						(L)	(W)	(H)	Weight	(L)	(W)	(H)	Weight
	kVA	kWe	kVA	kWe	Cummins G Drive	100% Lt/hr	Stamford	Leroy Somer	cm			kg	cm			kg
ED C Series Designates A 50 Hz Genset With A Fuel Optimized Cummins G Drive Diesel Engines and Stamford or Leroy Somer Generators																
ED0100C06	100	80	110	88	6BTA5.9-G5	25	UCI274C	TAL044D	250	110	165	1100	330	130	165	1665
ED0135C06	135	108	150	120	6BTAA5.9-G6	35.16	UCI274E	TAL044H	250	110	165	1450	330	130	165	2250
ED0150C06	150	120	175	140	QSB7-G3	38	UCI274F	TAL044J	260	120	185	1315	375	150	185	2115
ED0200C06	200	160	220	176	QSB7-G5	45	UCI274H	TAL046B	260	120	185	1465	375	150	185	2315
ED0250C06	250	200	275	220	QSL9-G3	59	UCDI274K	TAL046D	260	120	185	1840	375	150	185	2690
ED0300C06	300	240	330	264	QSL9-G5	63	S4L1D-D41	TAL046F	300	135	200	2075	400	165	200	3055
ED0400C06	400	320	450	360	QSX15-G4	85.7	S4L1D-F41	TAL047A	350	135	230	3320	500	200	230	4170
ED0500C06	500	400	550	440	QSX15-G8	103	HCI5D	TAL047C	350	135	230	3555	500	200	230	4805
ED0600C12	600	480	660	528	VTA28-G5	140	HCI5E	TAL047E	400	150	280	5260	550	250	280	6510
ED0630C12	636	509	700	560	VTA28-G5	140	HCI5F	TAL047F	400	150	280	5600	550	250	280	6900
ED0800C06	800	640	880	704	QSK23-G3	161	HCI6G	TAL049C	480	210	320	5950	750	290	320	7350
ED1000C06	1000	800	1100	880	KTA38-G5	209	HCI6J	LSA49.3	480	210	320	8270	750	290	320	9770
ED1250C16	1250	1000	1375	1100	KTA50-G3	261	PI7A	LSA50.2	520	220	320	9660	750	290	320	11160
ED1400C16	1400	1120	1540	1232	QSK50-G3	289	PI734B	LSA50.2	600	250	350	11190	800	300	350	12690
ED1500C16	1500	1200	1650	1320	QSK50-G4	338	PI7C	LSA50.2	600	250	350	11450	800	300	350	12950
ED1850C16	1875	1500	2000	1600	QSK60-G3	371	PI7E	LSA51.2	700	300	380	14745	900	350	380	16245
ED2000C16	2000	1600	2200	1760	QSK60-G4	394	PI7F	LSA51.2	700	300	380	15025	900	350	380	16525
ED2500C16	2500	2000	2750	2200	QSK78-G9	528	LVI804S	LSA52.3	700	300	380	15200	900	350	380	16700
ED2750C18	2750	2200	3025	2420	QSK78-G9	528	LVSI804S	LSA53.2	700	300	380	15200	900	350	380	16700

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ED SOUNDPROOF ENCLOSURES.

Reduce The Racket. And Put Mother Nature In Her Place.

Soundproof and Weatherproof Solutions.

If you want to keep the weather out and the noise in, there's really only one way to go.

ELECTRONIL Soundproof Enclosures are bolstered by heavy-duty acoustic insulation to protect your investment and keep the noise down. In addition, we coat every unit with anti-corrosion paint, as a textured industrial finish that provides corrosion-resistant, heavy-duty durability in harsh conditions. The new design includes a sloped roof to increase the life and safety of the generator.

Custom Options

Multiple weather/sound enclosure options are available on 9 to 3000 kVA generators.

Fitted Enclosures

Soundproofing enclosures feature durable construction, stainless steel external hardware and internal emergency lighting system.

Quiet Performance

Our enclosures offer acoustic insulation to meet your quiet applications.

Advanced Door System

Hinged doors, door handles and door holders provide security, protection and easy access for service.

Service Access

Multiple personnel doors and removable panels offer easy access to generator control, fuel fill, fuel gauge, oil fill and battery.

Internal Exhaust System

Features insulated exhaust silencer for improved aesthetics, safety and noise reduction.

Oil Drains

Provide an easier, quicker way to service your generator.

Available Accessories

Electrical packages, lighting, heaters, motorized louvers, stairs and more ...

ELECTRONIL PARALLELED POWER SYSTEMS

TOTAL INTEGRATION,
From Top To Bottom.

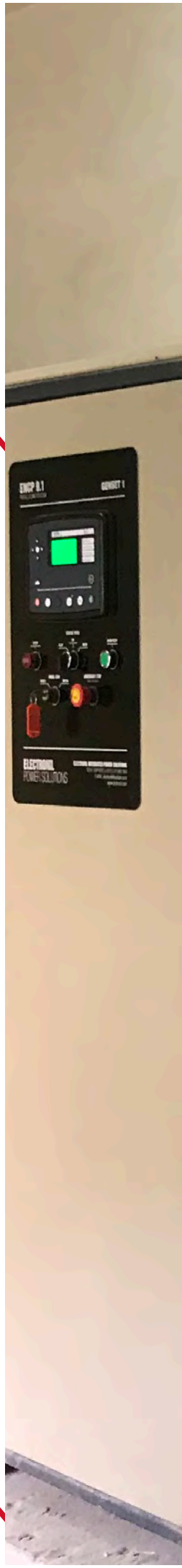
When it comes to paralleling systems, we offer 100% integration.

Our **ELECTRONIL PARALLELED POWER SYSTEMS** Designed, Engineered and Factory-Tested as a complete system, rather than built from parts from multiple manufacturers like some competitive products.

Comprised of our **ED SERIES GENERATORS**, **ENCP 9 SERIES PARALLELING SYSTEMS** and **SWITCHGEARS**, and **EBC SERIES BATTERY CHARGERS.** The **ELECTRONIL PARALLELED POWER SYSTEMS** delivers dependable power across multiple applications. Combine that with our extensive network of sales and service technicians, and you've got what everyone wants:

peace of mind.

Discover more at
electronil.com/paralleled_power_systems




ENCP 9.1
GENSET 2
ELECTRONIL
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ENCP X
MASTER CONTROLS
ELECTRONIL
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ENCP 9.1
GENSET 3
CHARGE MODE
PANEL LOCK
EMERGENCY STOP
ELECTRONIL
POWER SOLUTIONS
ELECTRONIL INTEGRATED POWER SOLUTIONS

THE BENEFITS OF PARALLELING GENE

Maximize Your System's Flexibility.

While it may be common for a facility to install a single large generator to meet its power needs, paralleling two or more generators offers a number of practical benefits and advantages over a single-generator system.

REDUNDANCY

The redundancy provided by the paralleling of two or more generators delivers greater reliability and flexibility than a single generator can provide. In critical applications, having more than one generator connected to the bus at all times ensures continuous generator power in the unlikely event that a generator fails.

Discover more at
electronil.com/paralleled_power_systems

EFFICIENCY

Instead of one large generator that might operate at an inefficiently low kW, several small generators can be paralleled together and turned on and off as necessary to efficiently support the varying demands of the load.

In situations where your load needs require one genset, you'll run more efficiently. And that kind of efficiency can result in big savings. Because our **ENCP 9 Series** control systems automatically turns off any generators in your system when needs are low, you'll benefit from immediate fuel savings and reduce running time for greater generator longevity.

ERATORS.

EMCP SYNC

COST-EFFECTIVE

In many cases, paralleling two or more gensets to produce the same output as a larger single unit results in significant cost savings.

For example: you can **save up to 20%** when **paralleling three 500 kW units** compared to one 1500 kW unit.

POWER REQUIREMENTS

If the largest available generator is too small to meet your power requirements, two or more generators can be paralleled to provide the necessary power.

SPACE CONSTRAINTS

By using gensets with smaller footprints instead of one larger unit, the Paralleled Generators System provides greater location flexibility. The multiple units can be placed where a single genset won't fit, so space is used more efficiently. And because the weight of multiple units can be distributed, rooftop installation is even possible - something you simply can't do with many large single-generator sets.

FUTURE GROWTH

A Paralleled Generators System can be designed to add additional generators as your facility's load requirements expand.

Purchase the Paralleled Generators System that fits your budget today. And, in the future, it can easily expand as your needs and budget allow. That way, you'll never have to worry about replacing a system you've outgrown.

ELECTRONIL CONTROL PANELS.

The Smart Choice in Backup Power Systems.

Control Systems are the brains of a power system. They continuously monitor and manage operating conditions to ensure the reliability, flexibility and performance of the equipment as well as protect it from damage. We design and manufacture every detail of all ENCP Series Control Systems to ensure dependability, ease-of-use, safety and seamless integration with the rest of our equipment.

Our power equipment is used in a wide variety of applications, each of which places unique demands and challenges on its power systems, so we design our controllers to be extremely versatile and customizable.

Each one features programmable I/O modules to support customization and is designed to communicate and interoperate with these advanced building management systems (BMS).

ENCP SERIES CONTROL SYSTEMS

Available to support either single generator or parallel operation, our ENCP Control Systems are easy to operate and provide dependable engine and alternator control, operating information and system diagnostics.

GENSET CONTROLS

ENCP 3 Series | Single manual and remote start genset control systems.
ENCP 7 Series | Single genset automatic mains failure control systems.
ENCP 9 Series | Single/multiple synchronizing and load sharing genset control systems.

POWER TRANSFER SWITCH CONTROLS

ENCP 6 Series | Automatic transfer switch control systems to communicate with the genset controllers to bridge the gap from utility to standby power, and back again, ensuring a smooth, seamless transition and minimal disruption.

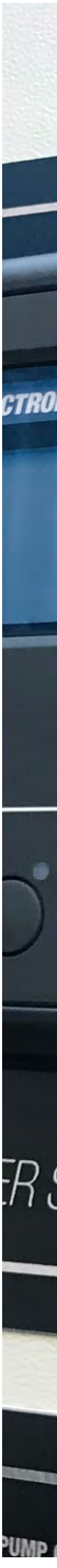
GENERATORS PARALLELING SWITCHGEARS

ENCP iX | 2-3 Genset synchronizing and load sharing switchgear control systems.
ENCP X | 2-20 Genset synchronizing and load sharing switchgear control systems.

PARALLELING SWITCHGEAR CONTROLS

Each ELECTRONIL Paralleling Switchgear Solution is developed to meet your specific needs, and the control systems are programmed to your exact specifications. ELECTRONIL Deploys fault-tolerant programming and provides an intuitive user interface with real-time system information to enable better operational decisions.

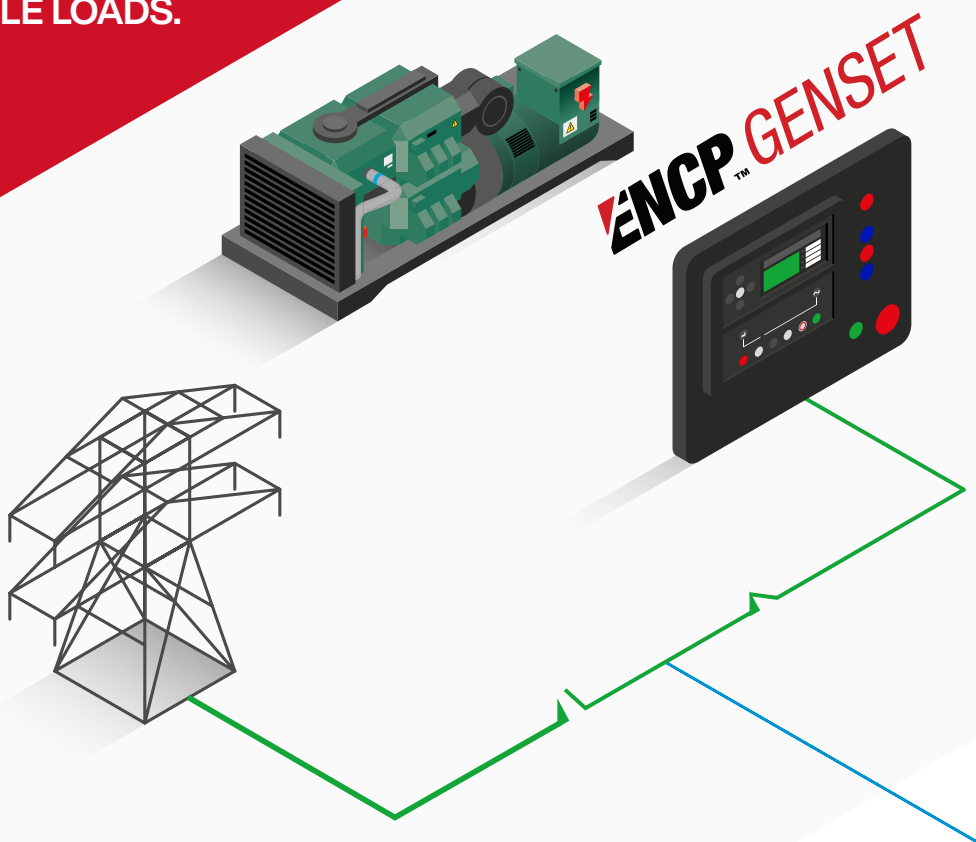
Discover more at
electronil.com/encp




ENCP 9.1
ALARM
WARNING
SHUTDOWN
SYSTEM
NOT IN AUTO
REMOTE START
INITIATED
REVERSE
POWER ALARM
GENSET
OVERLOADED
LOCK
REMOVE
KEY
UNLOCK
ALARM
RESET
EMERGENCY
STOP
POWER SOLUTIONS
GENSET 1
ON DUTY SELECTED
ENGINE FAIL TO START
LOW ENGINE OIL PRESSURE
HIGH ENGINE TEMPERATURE
AUTO
SOLUTIONS

COMPLETE POWER MANAGEMENT SOLUTIONS.

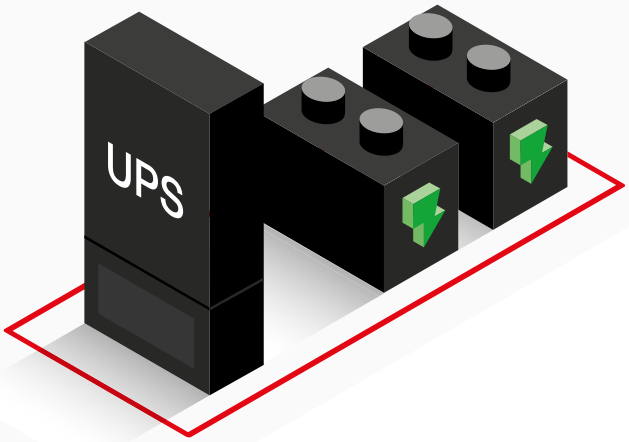
**MULTIPLE APPLICATIONS,
MULTIPLE SOURCES,
MULTIPLE LOADS.**

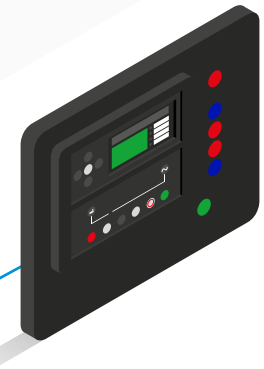


ENCP 3 Series

AUTO START GENERATOR CONTROLS.

Sophisticated genset controllers for single and multi-set systems.

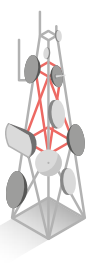


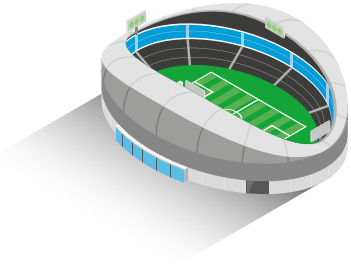


ENCP 6 Series

POWER TRANSFER SWITCH CONTROLS.

Dedicated auto power transfer switch controllers for demanding applications.





ENCP GENSET

AUTO START GENERATOR CONTROLLERS.

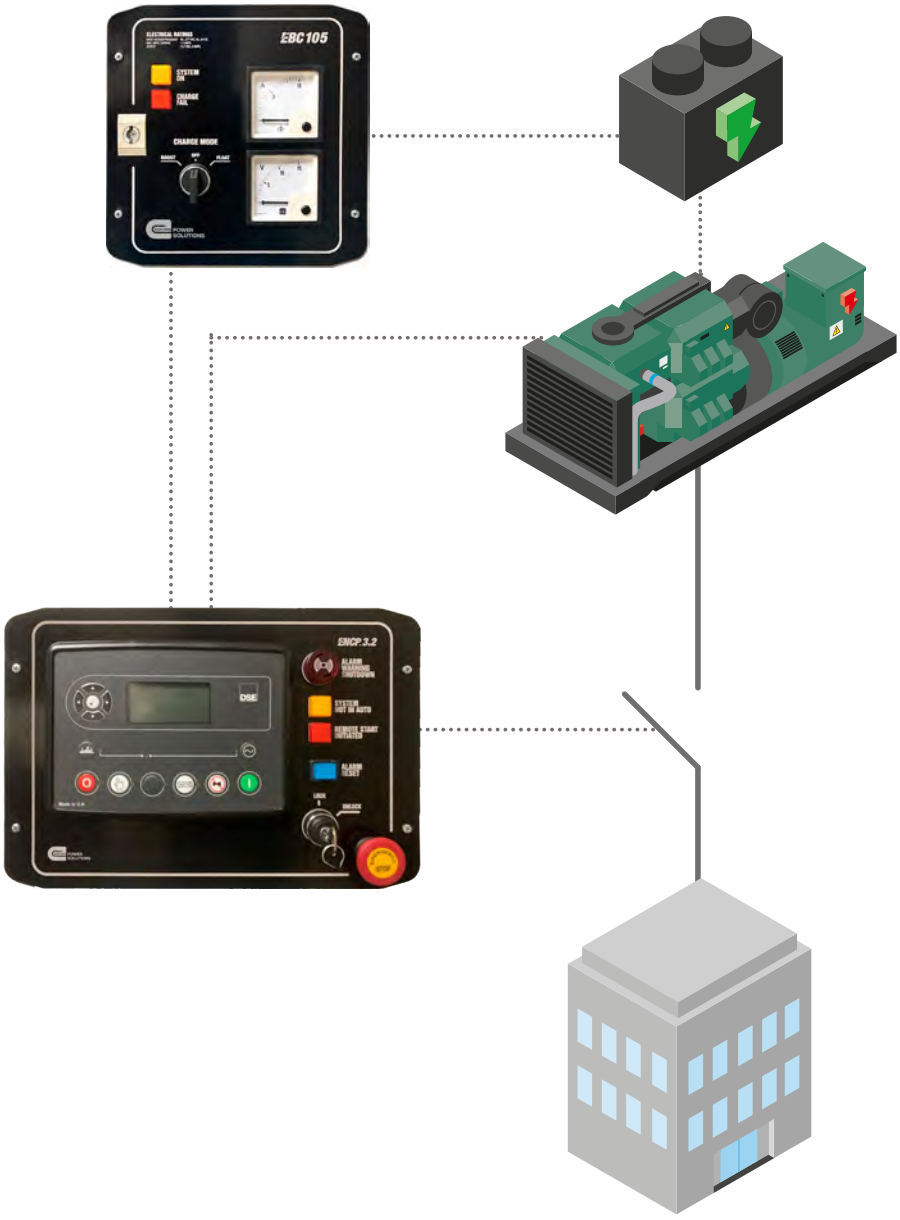
The ENCP 3 Series combines engine and generator control and monitoring with a single, robust panel for quick key access to engine and generator controls, diagnostics, and operating information.

Monitoring engine speed, oil pressure, coolant temperature, frequency, voltage, current, power and fuel level, the systems give comprehensive engine and alternator protection. This is indicated on a large back-lit LCD text display via an array of warning, electrical trip and shutdown alarms in multiple languages.

Electronic J1939 (CAN) and non electronic MPU and alternator sensing engine support for diesel, gas and petrol engines all in one variant. With a number of flexible inputs, outputs and protections, the systems can be easily adapted to suit a wide range of applications.

The ENCP 3 Series features a graphical display with an adjustable back-light as well as an advanced engine monitoring system. These features add to the sense of value and dependability that comes with your purchase of ELECTRONIL Products.

Full list of features available at
electronil.com/encp_genset



ENCP ATS

POWER TRANSFER SWITCH CONTROLLERS.

The ENCP 6 Series Power Transfer Switch Control Systems are designed for a variety of standby power applications. They provide flexibility, reliability and value in a compact package.

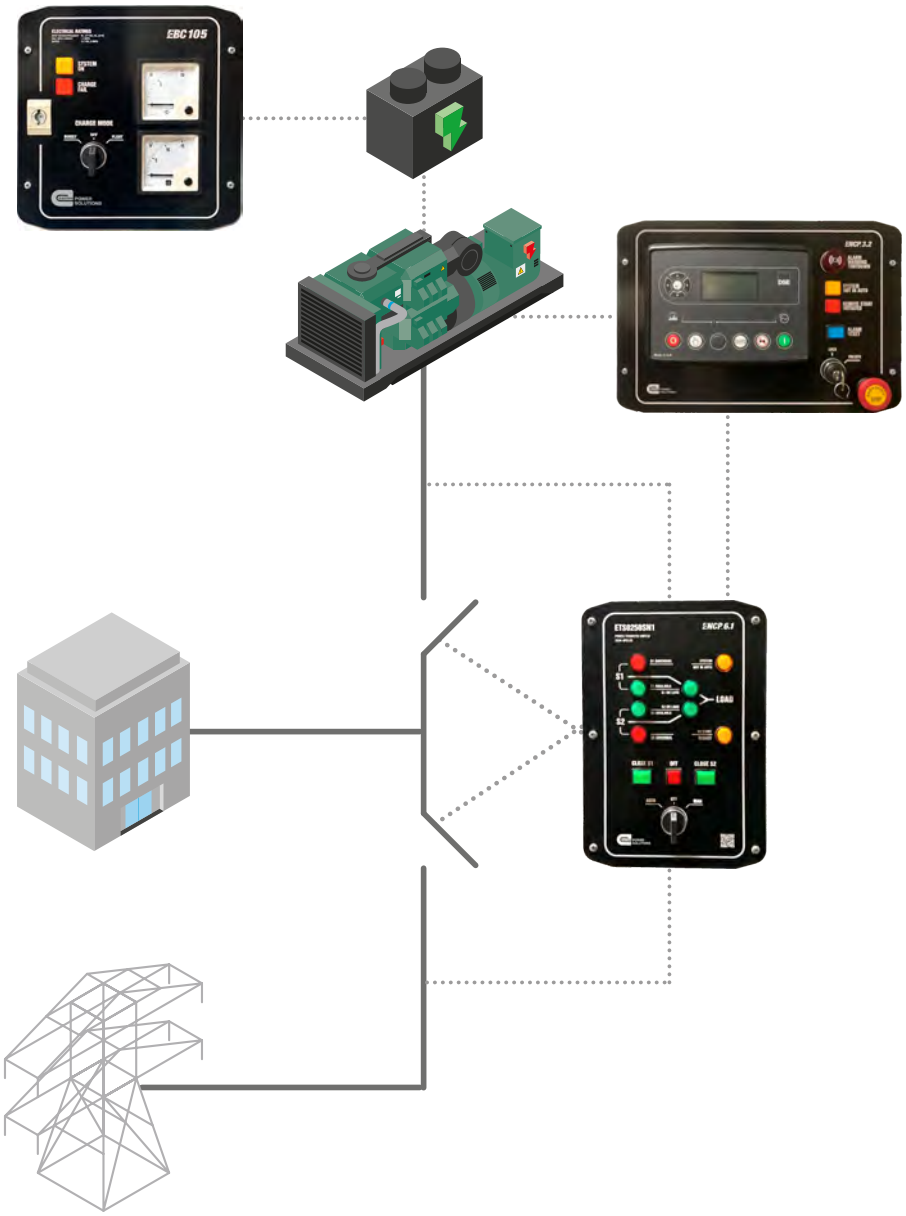
The ETS Open Transition Power Transfer Switches will provide fully functioning transfer in applications where a momentary loss of power is acceptable on re-transfer from emergency to normal power supply. The ENCP 6 Series Power Transfer Switch Control Systems also permits periodic testing of the emergency source without interrupting power to the loads.

The ETS Closed Transition Power Transfer Switches are designed to Meet application requirements where emergency backup power is required with no momentary loss of power by connecting/short time paralleling both sources before the transfer occurs. Closed transition also permits periodic testing of the emergency power source without interrupting power to the loads.

The ETS Service Entrance Power Transfer Switches are designed to provide standby power emergency power to entire installation loads to protect against utility power interruption; yet allow the ATS to be as close as possible to the point of service entrance.

By safely and in code compliance, integrating the necessary overcurrent protection and service disconnecting means into the power transfer switch, a single installation can be made at the service entrance. This design eliminates the need for a separate upstream fault protection and respective interconnections, which in turn reduces installation space, time, and cost.

Our Circuit Breaker based ETS Service Entrance Power Transfer Switches are available from 40A to 4000A.



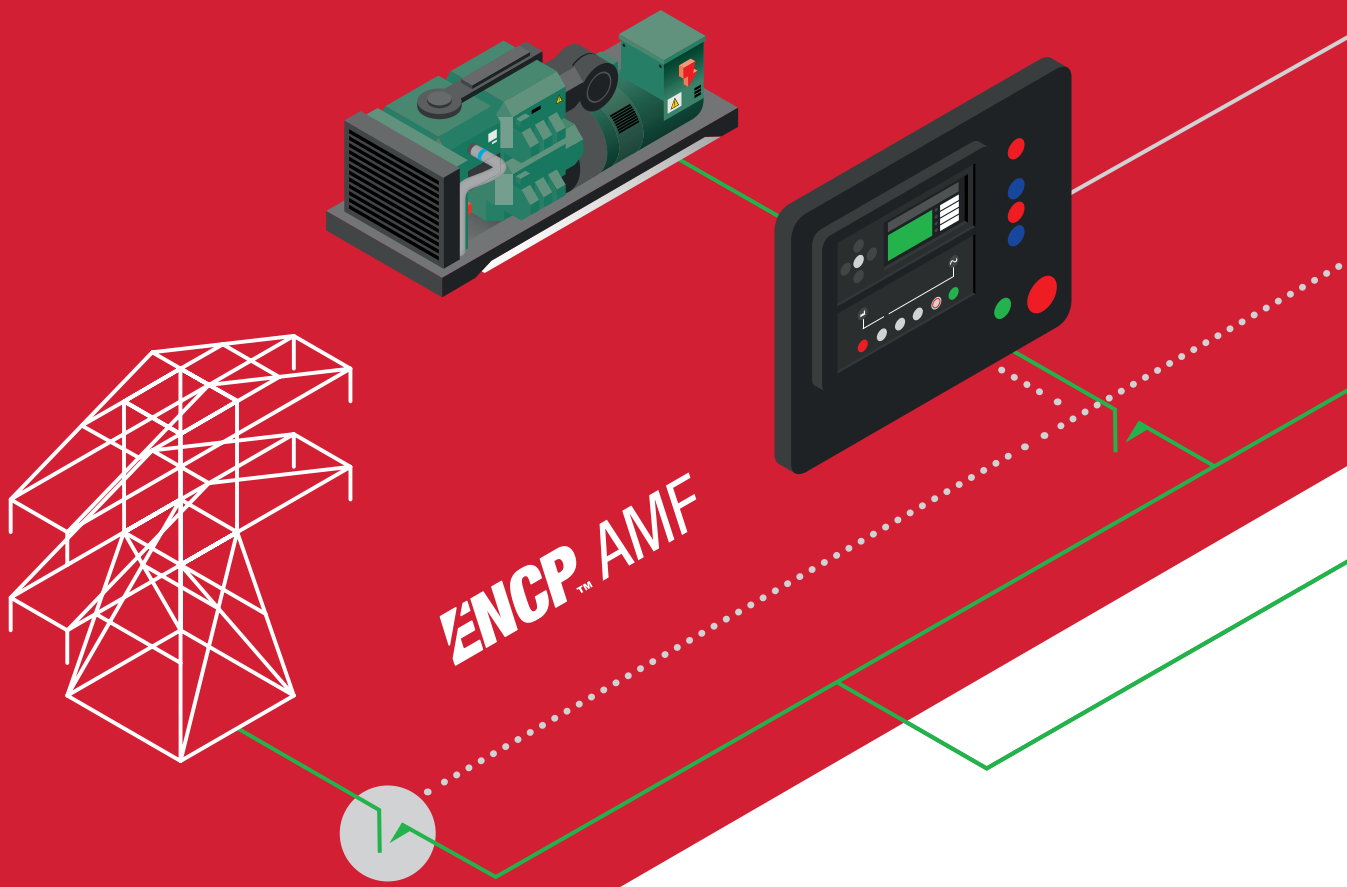
Full list of features available at
electronil.com/encp_ats

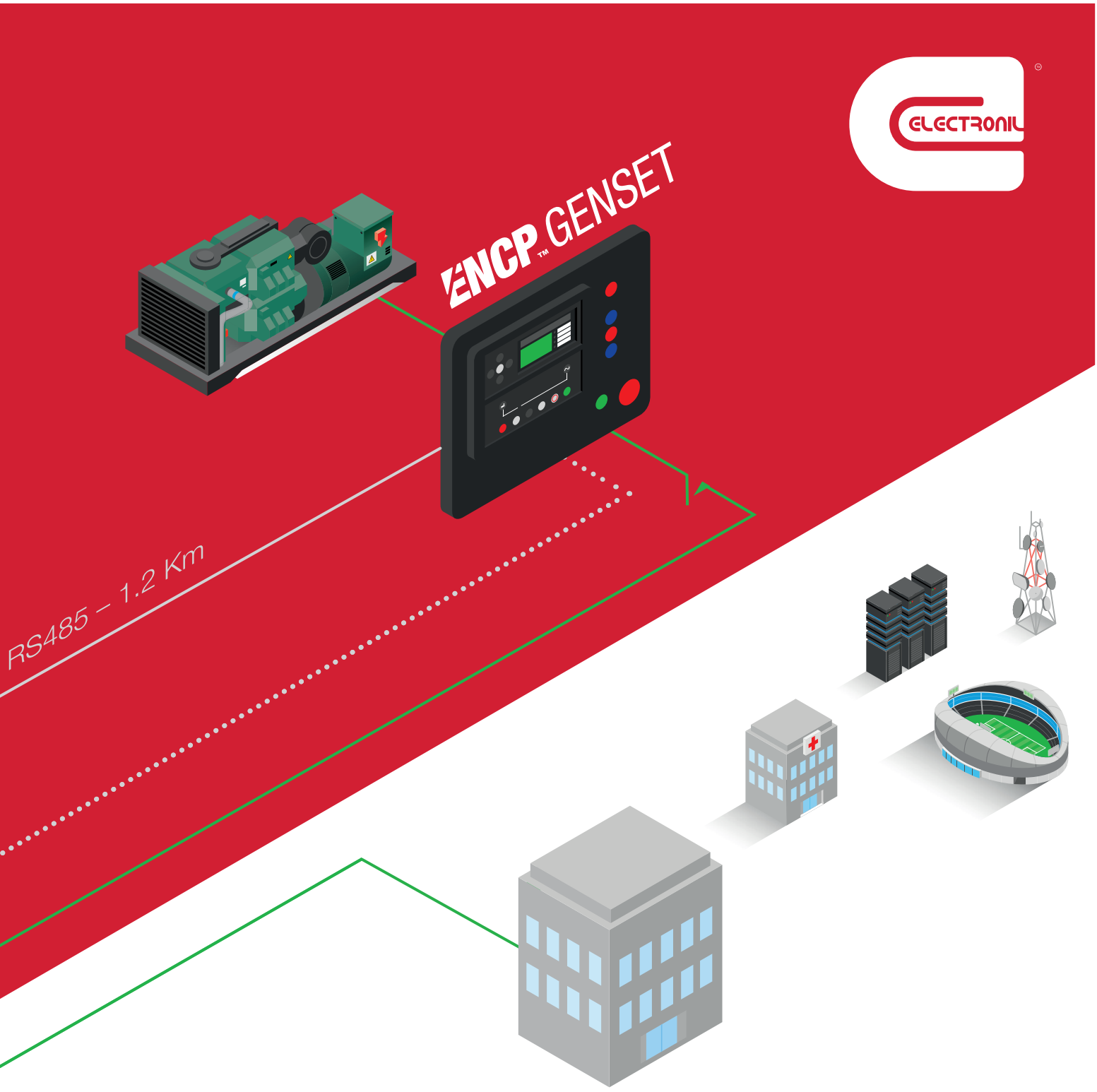
THREE-SOURCE SYSTEM.

Backup to Your Backup (DUAL-MUTUAL STANDBY).

A three-source system offers redundancy without the complexity or cost of a paralleling system. Available with a microprocessor-based controller, the system is based on two generators, two controllers and a two out of three power transfer switches.

Balancing engine run hours and instructing a second back-up generator to safeguard against the loss of power is essential for power critical applications. The Integrated dual mutual standby functionality simplifies the process of balancing engine run hours, whilst maintaining a back-up if the running generator fails. Connected via RS232 or RS485 the ENCP 3.3/ENCP 7.3 Control Systems Automatically run the correct generator, ensuring equal run times are maintained and engine downtime is reduced.





THE BENEFITS ARE MANY

- One generator is available when the other is being serviced.
- You have automatic backup power from the second generator; many critical power applications require this.
- By alternating generator runtime and extending the time it takes to accumulate engine hours, you extend time between maintenance and overhauls.
- You lengthen the time between refueling, because you have two fuel sources one for each generator.
- You have peace of mind knowing that if one generator fails, the other is automatic _ ***IT'S BACKUP TO YOUR BACKUP.***

ENCP AMF

AUTO MAINS FAILURE GENSET CONTROLLERS.

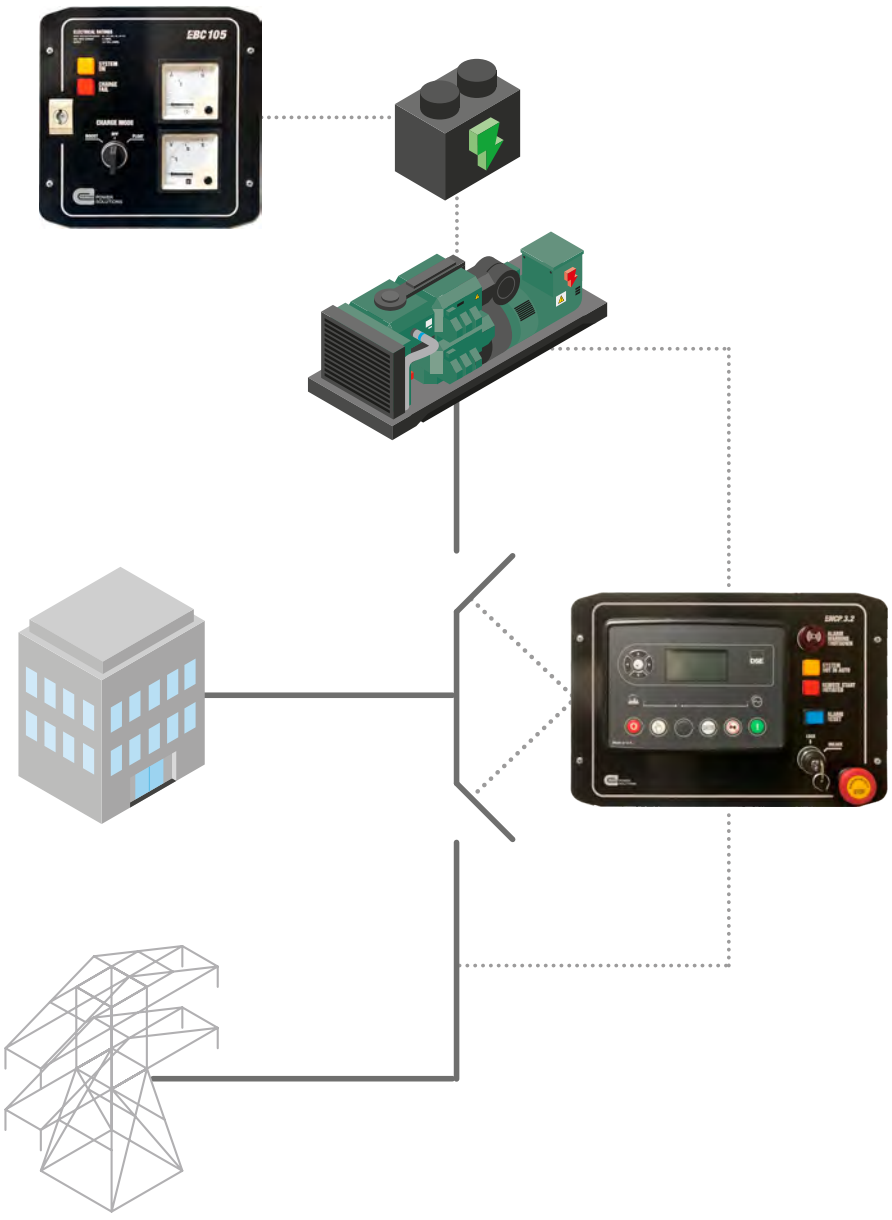
The ENCP 7 Series combines engine and generator control and monitoring with a single, robust panel for quick key access to engine and generator controls, diagnostics, and operating information.

Monitoring engine speed, oil pressure, coolant temperature, generator/mains frequency, generator/mains voltage, load current, power and engine fuel level, the systems give comprehensive engine and alternator protection. This is indicated on a large back-lit LCD text display via an array of warning, electrical trip and shutdown alarms in multiple languages.

Electronic J1939 (CAN) and non electronic MPU and alternator sensing engine support for diesel, gas and petrol engines all in one variant. With a number of flexible inputs, outputs and protections, the systems can be easily adapted to suit a wide range of applications.

The ENCP 7 Series features a graphical display with an adjustable backlight as well as an advanced engine monitoring system. These features add to the sense of value and dependability that comes with your purchase of ELECTRONIL Products.

Full list of features available at
electronil.com/encp_amf



ENCP SYNC

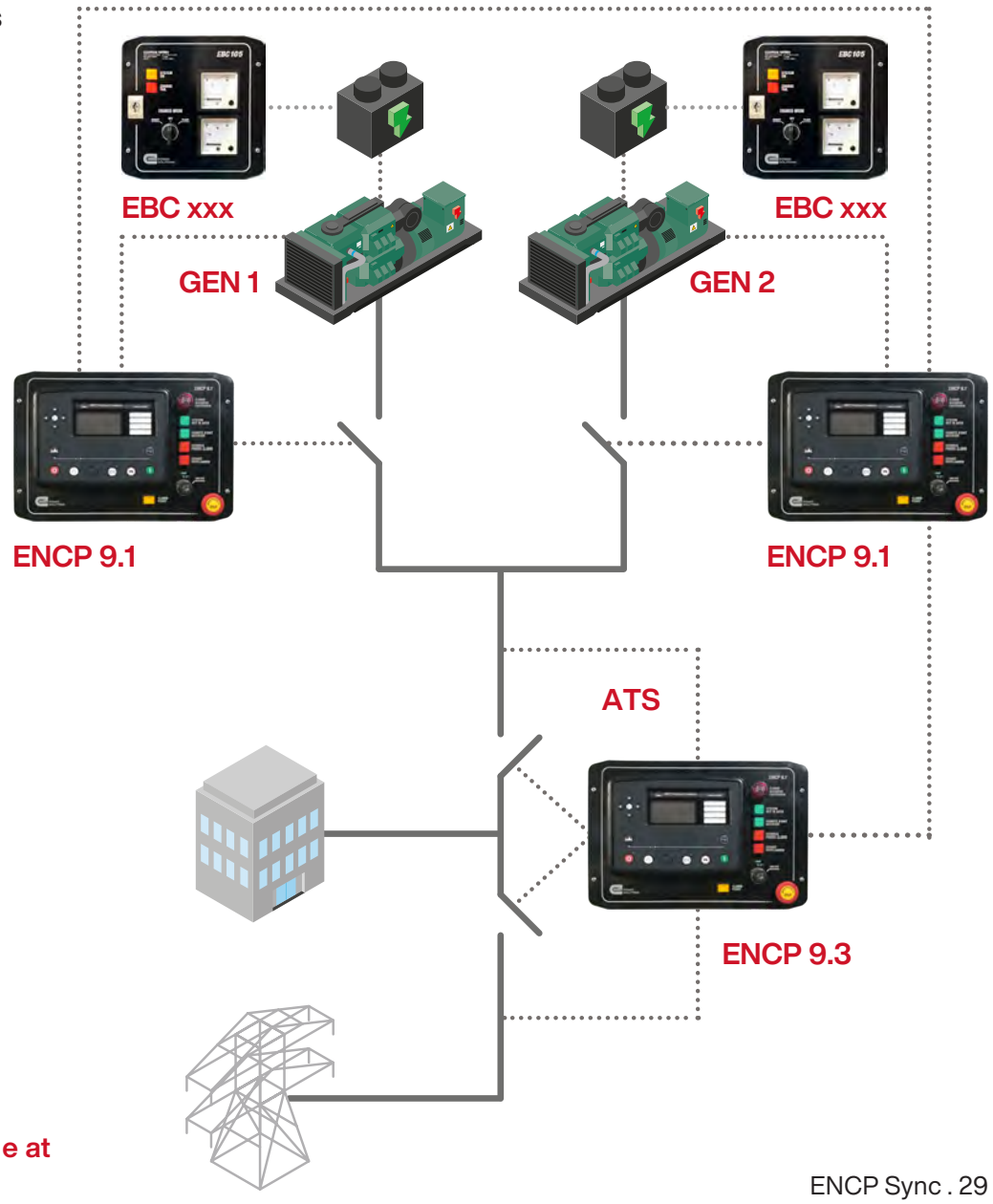
GENERATOR PARALLELING CONTROLLERS.

The ENCP 9 Series is an easy to use Synchronizing Auto Start Control System suitable for use in a multi-generator load share system, designed to synchronize up to 32 generators including electronic and non-electronic engines.

The ENCP 9 Series Monitors the generator and indicates operational status and fault conditions, automatically starting or stopping the engine on load demand or fault condition.

With all communication ports capable of being active at the same time, the ENCP 9 Series is ideal for a wide variety of demanding load share applications, from a single module to the paralleling and load sharing of multiple units. The systems can be further customized to meet your needs through programming and expansion modules.

The ENCP 9 Series features a graphical display with an adjustable backlight as well as an advanced engine monitoring system. These features add to the sense of value and dependability that comes with your purchase of ELECTRONIL Products.



Full list of features available at
electronil.com/encp_sync

ELECTROCARE
Maintenance Support Plan.

ELECTRONIL POWER SOLUTIONS Provide Comprehensive Support on All type of Generators, Switchgears, Switchboards and Control Panels Across Egypt.

Ensure your power is always there when you need it with the **ELECTROCARE Maintenance Support Plan**. Our service experts continually monitor and maintain your equipment through a comprehensive maintenance schedule which keeps your generator in peak working condition. We are always available to provide the level of service support you need.

Choose from one of four **ELECTROCARE Maintenance Support Plan** options to give your equipment the highest possible service care and maintenance cover, giving you ***total peace of mind***.

Critical Functions Monitored by ELECTROCARE

Much like a human body, today's engines have critical systems that need monitoring to maintain their health. These include the lubrication, coolant, fuel, air and management control systems.

ELECTROCARE Measures the trends and vital signs of these systems, frequently monitoring for faults or other areas requiring additional attention.

The **ELECTROCARE** Report highlights any component changes we recommend and gives guidance on the optimum time to action possible faults and maximize uptime.

The ELECTROCARE Maintenance Support Plan is focused on providing onsite maintenance with an effective, high quality condition monitoring and scheduled maintenance service.

We offer a fixed menu of service giving our customer the opportunity of not only ensuring that their generator set is working to its potential, but also that faults are identified and corrected before they develop into component failures, which are costly and time consuming to repair. This is achieved by the inclusion in all our products of **ELECTROCARE Maintenance Support Plan** critical function monitoring.

ELECTROCARE Benefits

- Total support - when you need it, giving you ***total peace of mind***.
- Confidence that your generator will start when you need it.
- Highest standards of maintenance and quality assurance.
- Scheduled servicing provides validation of warranty coverage.
- Cost-effective solution.
- ELECTRONIL Highly Trained engineers and technicians providing specialist expertise.
- Maximize uptime and save costs.
- Total added value package.

THE BEST WAY TO PROTECT YOUR POWER.

And Protect Your Team.

Our genuine parts are easily accessible, which can reduce customer downtime, improve your responsiveness and provide a competitive advantage.

Structured to help you deliver top-tier service and capture profits, our Parts and Service team provides the parts, people and performance you can count on.

PARTS

Designed to perform under the toughest environmental conditions, Our Genuine Parts are chosen specifically for your generator—and will be available when you need them. They undergo extensive lab and field testing as part of the overall power-system to ensure everything works as expected.

PEOPLE

Our experienced Service and Support team is available to answer your questions. Choosing genuine parts provides you with comprehensive support, training and technical assistance straight from the factory.

- Factory training
- On-site technical support
- One point of contact for all your parts and service needs
- Dedicated after-sales channel support

PERFORMANCE

We continuously invest in better processes that make your job easier, and we're here to support you in decisions that affect your business.

- Inventory management
- Warranty management
- Lead-time strategy

ELECTRONIC POWER SOLUTIONS

Your Reliable source for advanced and integrated power solutions.

ELECTRONIL POWER SOLUTIONS

ENGINEERING THE FUTURE Since 1995.

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