Branch Offices & Warehouses

UNITED KINGDOM

Vickers Building,Hurricane Close,Sherburn Enterprise Park,Sherburn in Elmet,Leeds LS25 6PB,United Kingdom
Tel: +44 1977 689 100
Fax: +44 1977 681 990
Email: info.uk@powerlinkworld.com

CHINA

No.576 Guanghua Road, Songjiang Science & Technology Park, Shanghai,China
Tel: +86 21 57850867
Fax: +86 21 57850870
Email: info@powerlinkworld.com

AUSTRALIA

Unit 9, 8 Gladstone Road, Castle Hill NSW 2154, Australia
Tel: +61 2 8858 9688
Fax: +61 2 9680 8686
Email: info.au@powerlinkworld.com

INDONESIA

Jl. Angkasa Kav. B6, Kota Baru Bandar Kemayoran Blok B No.11, Jakarta Pusat 10610
Tel: 62-21-29371056
Fax: 62-21-29371056
Email: info.indo@powerlinkworld.com

AMERICA

2315 NW 107th Ave Unit 1M07 Doral, Miami, FL33172
Tel: 001 786 507 5318
Fax: 001 786 507 5321
Email: info.us@powerlinkworld.com

Factories

UNITED KINGDOM

Vickers Building,Hurricane Close,Sherburn Enterprise Park,Sherburn in Elmet,Leeds LS25 6PB,United Kingdom
Tel: +44 1977 689 100
Fax: +44 1977 681 990
Email: info.uk@powerlinkworld.com

CHINA

No.576 Guanghua Road, Songjiang Science & Technology Park, Shanghai,China
Tel: +86 21 57850867
Fax: +86 21 57850870
Email: info@powerlinkworld.com

After-sales Service

UNITED KINGDOM

Vickers Building,Hurricane Close,Sherburn Enterprise Park,Sherburn in Elmet,Leeds LS25 6PB,United Kingdom
Tel: +44 1977 689 100
Fax: +44 1977 681 990
Email: service.uk@powerlinkworld.com

CHINA

No.576 Guanghua Road, Songjiang Science & Technology Park, Shanghai,China
Tel: +86 21 57850867
Fax: +86 21 57850870
Email: service@powerlinkworld.com

www.powerlinkworld.com

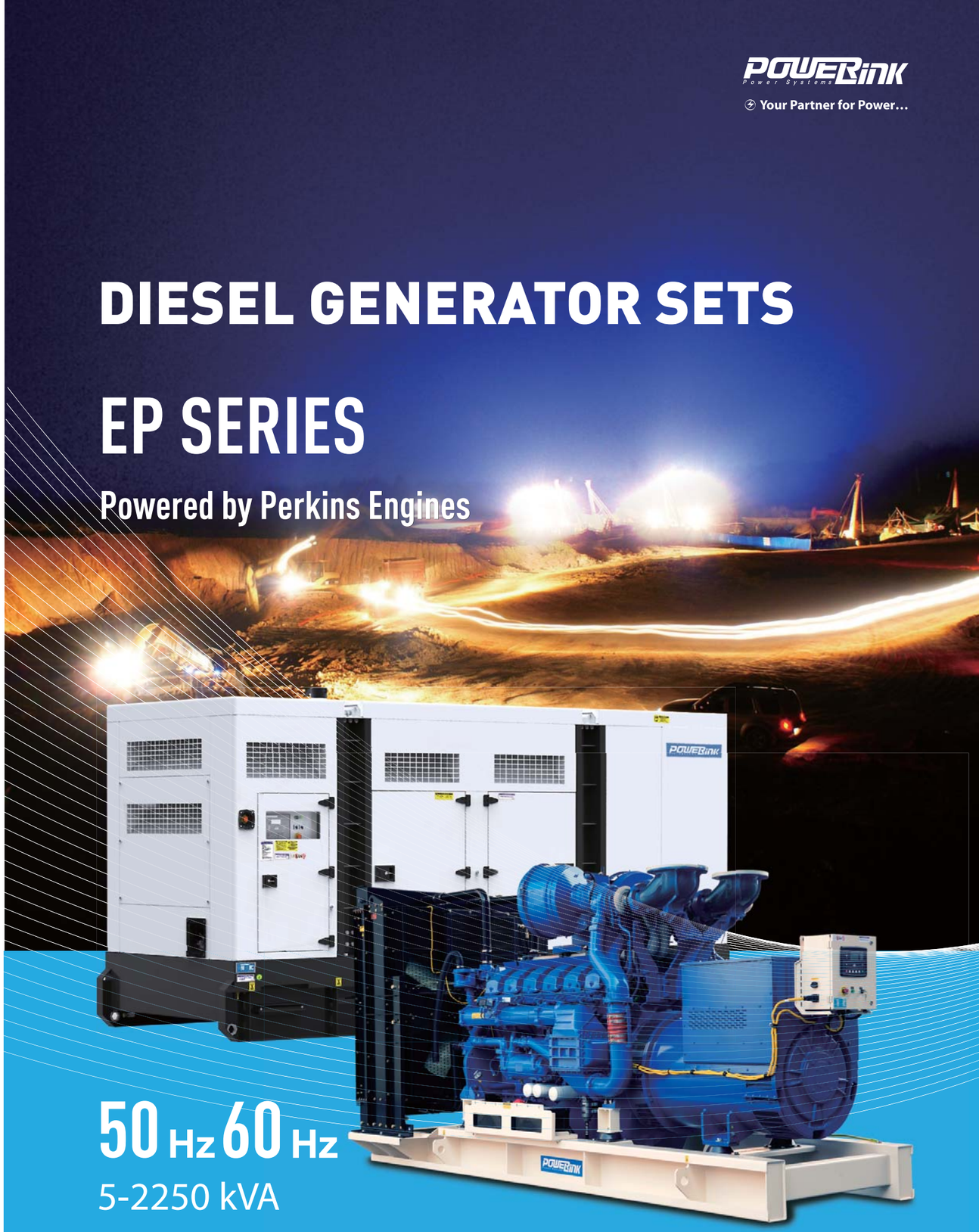
March 2013, NO.6220076

Your Partner for Power...

DIESEL GENERATOR SETS

EP SERIES

Powered by Perkins Engines

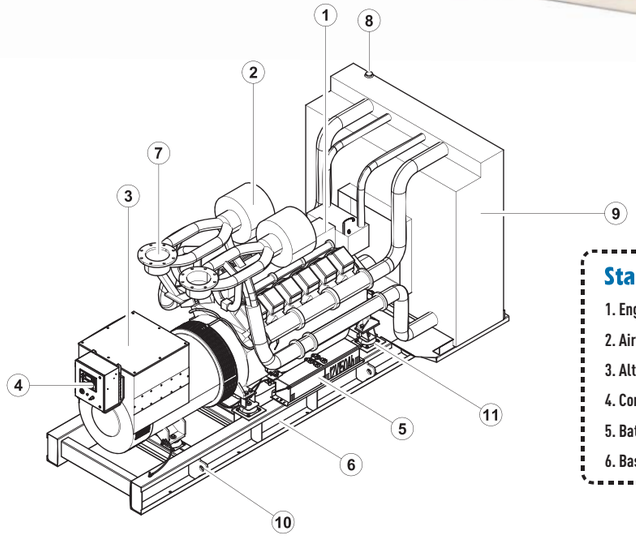


50 Hz 60 Hz

5-2250 kVA

OPEN SETS

5-2250kVA



Standard Features

1. Engine
2. Air cleaner
3. Alternator
4. Control cabinet
5. Battery
6. Base
7. Mounting flange of vent-pipe
8. Coolant inlet
9. Radiator
10. Lifting lug
11. Vibration isolator

CIRCUIT BREAKER

ELECTRIC START

DC.12/24V

RELIABLE AND SAFE

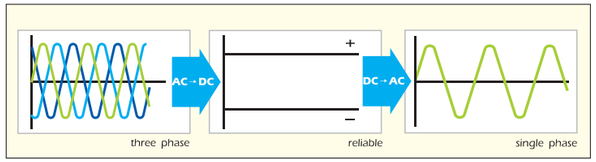
- Powered by world famous engines, such as Cummins, Perkins, Kobota and so on.
- Load from 0-100%, frequency vibration within±0.25%
- No load wire volts max undulation ratio within 0.5%
- The fully covered load centre houses all the outlets, compression terminals, and circuit breakers.
- Fully PC or front panel configuration, automatic shutdown when fault condition occurs.

GOOD COOLING SYSTEM

- Exhaust silencing system totally enclosed for operator safety.
- 50℃ radiator as standard, oil cooler, drain tap.

AUTOMATIC AIR-BLEEDING

- Every time the engine key is turned ON air is automatically purged from the fuel system.



Confrol System	AMF	Low oil pressure	speed	freq.	Emerg-ency stop	temp.	current	Fail to start	volts
PLC-920	×	STD	STD	STD	STD	STD	STD	STD	STD
PLC-7420	STD	STD	STD	STD	STD	STD	STD	STD	STD
PLC-8610	STD	STD	STD	STD	STD	STD	STD	STD	STD

×: impossible ○: optional STD: standard

Notes:
1. A PLC-7420 or a PLC-920 is the standard configuration, while PLC-8610 is optional and is used for automatic parallel operation.
2. Applicable voltmeter, ampere meter and some other meters are indispensable for the PLC-920 system.

PowerLink open generator sets cover a power range from 5kVA to 2250kVA, and are structurally divided into three types :

D-type: 5-30kVA

- The control panel and wiring cabinet are installed inside of the same cabinet;
- Compact structure and easy operation.

A-type: 900-2250kVA

- The control cabinet and wiring cabinet are designed separately and placed onto the alternator;
- Compact structure and easy transportation;
- Stable performance and long service life;
- Strong power, large output power, suitable for heavy duty.

B-type: 30-800kVA

- The control cabinet and wiring cabinet are designed separately and hanged on the special bracket;
- Compact structure and easy transportation;
- Stable performance and long service life;
- Strong power, large output power, suitable for heavy duty.
- Can be paralleled esaily.

SOUNDPROOF SETS

5-650kVA

CIRCUIT BREAKER

ELECTRIC START

DC.12/24V

High Reliability and Safety

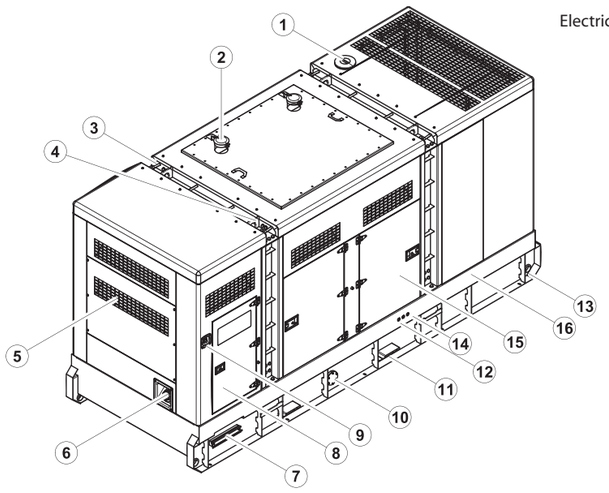
SAFETY

Design, production and testing of the generator sets comply with EU CE safety standard;
Equipped with circuit breaker when engine stops in emergency for avoiding possible electric shock risk when re-start;
The controller has a historical operation recording function for troubleshooting and inspection.

RELIABLE

Excellent engines and alternators featured with strong power, high torque, quick start, easy maintenance and operation.

The canopies are made of high quality steel and powder coated. The paint is highly endurable against erosion and scratch, and strongly rustproof.



Reliable alternator

Reliable engine powered by perkins, Cummins, Kubota engine.

Electric safety

Excellent anti-vibration devices

Operation safety

Information safety

Standard Features

1. Coolant inlet	9. Emergency stop switch
2. Exhaust gas outlet	10. Fuel drain
3. Roping lug	11. Fork lift channel
4. Lifting lug	12. External fuel inlet/return hose fitting
5. Air inlet	13. Tie down
6. Fuel inlet	14. Coolant/Oil drain hose fitting
7. Cable trench	15. Access door
8. Control cabinet	16. Base frame

Enclosured power outlet, terminal and sockets

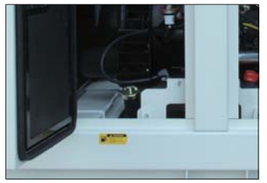
Superior engine

Control switch for easy maintenance

Radiator protection cover

Forklift holes and drainage hole

Control system



Double-layer fuel tank

External fuel inlet

SOUNDPROOF SETS

Environmentally Friendly

The noise level can be reduced by 15-35dB(A) through multiple noise control devices, which ensure quiet operations, thus having no effect on daily activities. This feature makes our diesel generators ideal for use at night in residential areas, offices and other environments which are sensitive to noise.

Cleaner exhaust, less effect on the environment, even in outdoor applications.

POWERFUL ENGINES

- Adopts world-famous engines， with low noise and low emission.
- Rugged structure ensures lowest vibration.
- Common rail system: (for some models) significantly lowers the combustion temperature, and also leads to cleaner exhaust.
- For the turbocharged machines, the carbon dioxide (CO_2) emission is reduced.

EXCELLENT SILENCERS

Silencer and muffler pipe system effectively reduce the noise during operation, allowing for uninterrupted operations.

FULLY-CLOSED NOISE REDUCTION

Besides applying airproof rubber around the doors, the concept of noise reduction has also been fully integrated into the inlet/outlet and all other components.

HIGH QUALITY SOUND ABSORBING MATERIAL

The interior is lined with new type fire retardant and sound absorbing cotton, and the door is air proof with rubber that is designed for car doors use only, which helps absorb noise and heat during operation.

Easy to Operate

CONTROL SYSTEM

- Micro-processor cored digital system.
- Multiple languages, automatic control.
- Connected with the mains through ATS, which can help realize automatic transfer between the mains and the generators. Also, multiple generators can be paralleled for bigger power needs.

CONVENIENT REFUELING AND WATERING INSTALLATIONS

- Outer filling fuel port.
- 8-12 hours base fuel tank in soundproof generator sets prevents against leakage and fuel spray when cleaning the interior. The fuel tank abides by European environment protection standards.
- Drainage outlet.
- Water feeder is located on top of the canopy.

HUMANIZED DESIGN

- The oil drainage pump is located in the side door for easy operation.
- New type waterproof door lock is easy to lock and open.
- Clear labeling in visible positions, providing adequate information, safety presentation and convenience for operators. The labels are made of advanced materials, featured with excellent high-temperature resistance, rainproof and weatherproof performance.

CONVENIENT CONNECTION

- Terminal connection lugs (L1, L2, L3, and LN) make connection and wiring more simple and well-ordered.
- Emergency stop provides convenient operation in emergent situation and when servicing.

EASY TO TRANSPORT

- The machines below 500kVA have forklift holes and dragging points in the base for easy transport.
- Lifting eyes located on top of canopy make the machine easier to move by cranes.

EASY TO MAINTAIN

- The daily maintenance work can be performed on both sides of the machine, and the wide doors allow easy access to all areas of the machine.
- An integrated waste drainage outlet located at the bottom of the machine makes it easier for regular maintenance.
- For generators above 300kVA, a ladder for climbing is equipped, making the machine easier to monitor and service.

CONTAINERISED GENERATOR SETS

725-2250kVA

CE

CIRCUIT BREAKER

ELECTRIC START

DC.12/24V

Safe, Simple and Convenient

CONVENIENT REFUELING AND WATERING INSTALLATIONS

- Outer fuel inlet and coolant inlet .
- The genset is equipped with daily-used double-deck fuel tank with automatic fuel injection system.
- Fuel outlet at the base and drainage device.

EASY TO MAINTAIN

- The daily maintenance work can be performed on two sides of the machine, and wide doors allow you to easily access to the machine.
- Equipped with a climbing ladder, making it easier for regular maintenance and servicing.

EASY TO TRANSPORT

- Transportation holes for forklift designed in the base of some sets make it easier to move and transport, thus quite helpful for rental applications.

CONTROL SYSTEM

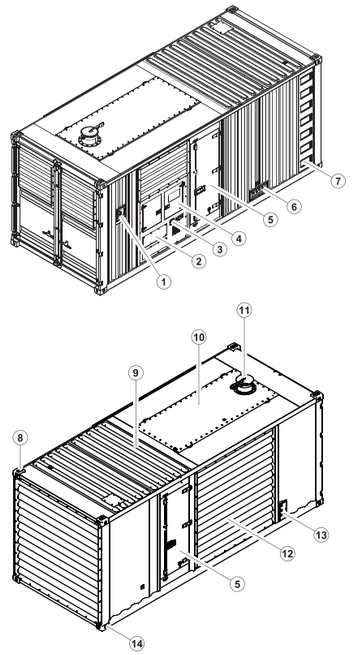
- Micro-processor cored digital system.
- Multiple languages for option, automatic control.

CONVENIENT CONNECTION

- An optional external quick connection panel can aid in the monitoring of mains, ATS transfer, and remote start.

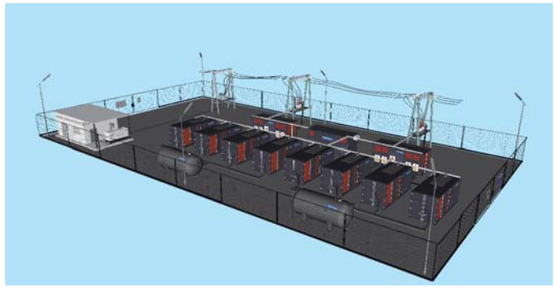
Safe and Practical Design

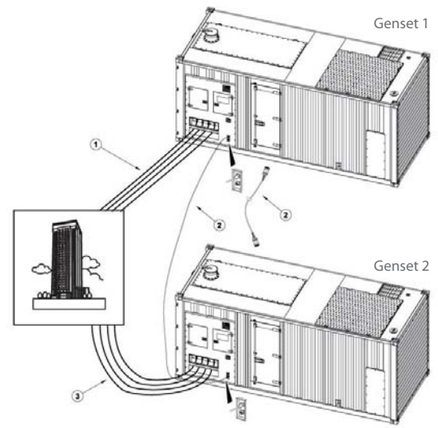
- Quiet and suitable for using at night and in areas of residences and offices which are sensitive to noise.
- The attack of rain and dust is prevented even in harsh environments such as mines, deserts, building sites, etc.



1. Fuel inlet
2. Cable trench
3. Emergency stop switch
4. Control cabinet
5. Access door
6. External fuel inlet/return hose fitting Coolant/Oil drain hose fitting
7. Ladder
8. Lifting lug
9. Canopy
10. Muffler
11. Exhaust gas outlet
12. Air inlet
13. External fuel inlet/return hose fitting
14. Fixing lug

EASY TO BE PARALLELED





① Output Cables (Genset 1)
② Telecommunication Cable for Paralleling
③ Output Cables (Genset 2)


Interior of the genset


Superior engine


Three layers of water-fuel separation device


Automatic fueling device


Interior of the genset


Control panel


Sieve for air inlet and outlet


Built-in sound absorbing cotton

CONTROL SYSTEM

PLC-7420

Powerlink PLC-7420 generator controllers integrating digital, intelligent and network techniques are used as the automatic control systems for diesel generators. It can carry out functions including automatic start/stop, data measure and alarming.

Upon detection of a mains (utility) failure the module automatically starts the generating set. Once the mains (utility) power has been restored it instructs the generator set to stop.

FEATURES

- Microprocessor control, with high stability and credibility .
- Mains supply and generator operation monitoring.
- Indicating operation status and fault conditions.
- Multiple protections; multiple parameters display, such as pressure, temperature.
- Manual and automatic work mode selectable.
- Real time clock for time and date display, overall runtime display, 99 log entries.
- Overall power output display.
- Integral speed/frequency detecting, telling status of start, rated operation, overspeed.
- Communication with PC via RS485 or RS232 interface, using MODBUS protocol.
- Engine ECU is available.
- Common USB cable is usable for parameter configuration.
- Multi languages are available.

PLC-920

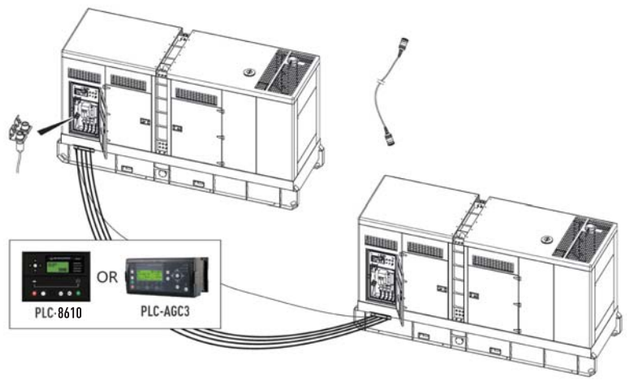
PowerLink PLC-920 generator controllers integrating digital, intelligent and network techniques are used as the automatic control systems for diesel generators. It can carry out functions including pre-alarm, warning & electrical trip, fail monitoring and controls etc.

FEATURES

- Parameter configuration via RS-232 serial communication;
- Log last 50 events & alarm information with measured values;
- Statistics records;
- Remote start/stop;
- Speed sensing from alternator voltage or magnetic pickup;
- Configurable 3 inputs and 6 outputs;
- ECU powers, ECU stop, STOP or fuel solenoid selection;
- Automatic transfer switching control and engine control;
- Adjustable start, load and stop timers.

Available for the paralleled control modules (PLC-AGC3 and PLC-8610 optional)

The method is shown as below:

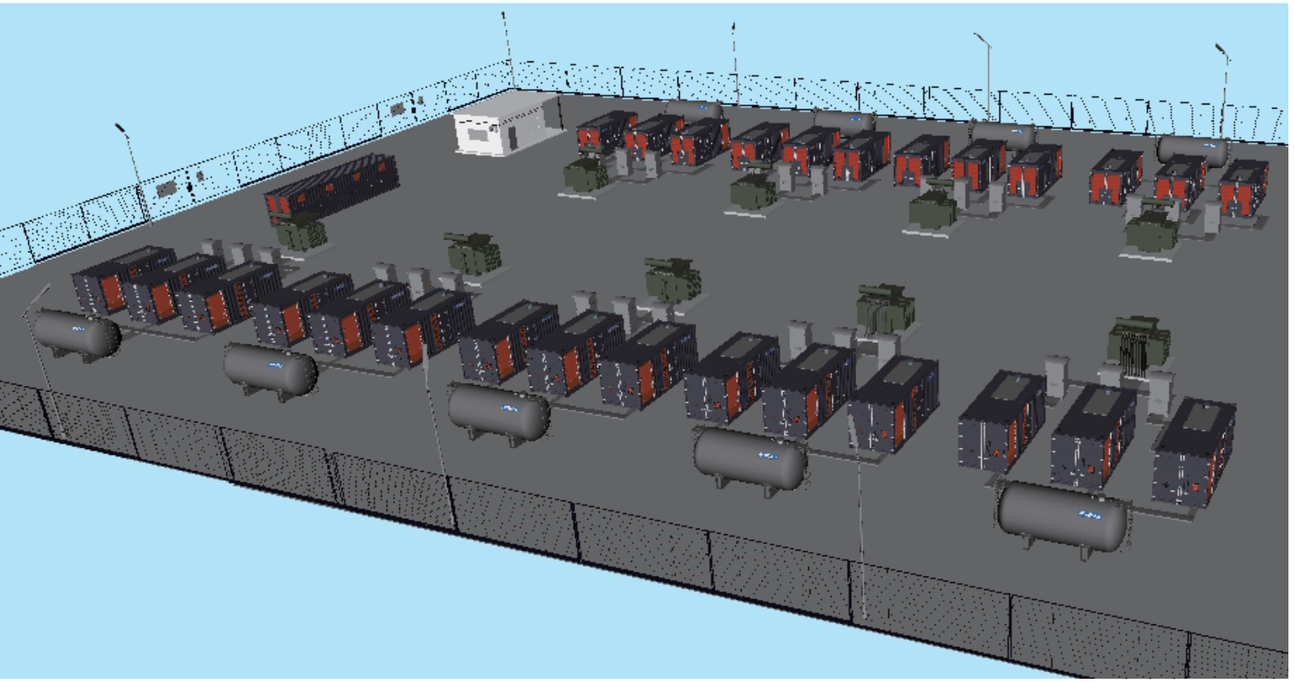


Control System function list

		MODEL	PLC-7420	PLC-8610	PLC-920
General accessory		AVR	●	●	●
		Electronic Governing	×	●	×
		Glow plug control	●	●	●
		Cycle Cranking	●	●	●
		(MODBUS) Networking	●	●	×
		Fault History	●	●	●
Operator Interface		manual start/stop	●	●	●
		Auto/remote start	●	●	●
		Regular Test	●	●	●
		Auto operation LED	●	●	●
		Manual operation LED	●	●	●
		Common Shutdown LED	●	●	●
		Common warning LED	●	●	●
		Fail to start LED	●	●	●
		Emergency stop(local)	●	●	●
		Alphanumeric screen	●	●	●
		Remote start input active LED	●	●	×
		Alarm reset	●	●	●
Measurement and Instrumentation	Engine	Oil pressure	●	●	●
		Water Temperture	●	●	●
		Engine Speed	●	●	●
		Hours Run	●	●	●
		Number of Starts	●	●	●
		Battery Voltage	●	●	●
		Coolant Temperature	●	●	●
	Alternator	3Phase(L-L Voltage&Frequency	●	●	●
		3phase Current	●	●	●
		Frequency	●	●	●
		kWh	●	●	●
		Apparent Power	●	●	●
		Active Power and Reactive Power	●	●	●
		Power Factor	●	●	●
		Per Phase(kW, kWr	●	●	●
		Per Phase kVA	●	●	●
		Phase Voltage	●	●	●
		Output Power	●	●	×
	Mains Expression	Grid Line Voltage	●	●	×
		Grid Phase Voltage	●	●	×
		Grid Frequency	●	●	×
Shutdown Protection and Indication	Engine	Low Fuel Level	●	●	●
		High Fuel Level	○	○	×
		Low Oil Pressure	●	●	●
		High Water Temperature	●	●	●
		Failure to Stop	●	●	●
		Failure to Start	●	●	●
		Controlable start circles/times	●	●	×
		Overspeed	●	●	●
	Alternator	Under&Over Voltage	●	●	●
		Under&Over Frequency	●	●	●
		Overcurrent	●	●	●
		Earth Leakage	○	○	○
		Reverse Power	×	●	×
		Reverse kWr	×	●	×
Threshold Warning&Indication		Low Oil Pressure	●	●	●
		Low Water Temperature	○	○	○
		High Water Temperature	●	●	●
		Low Water Level	●	●	●
		Low/High Battery Voltage	●	●	●
		Failure to Charge	●	●	●
		Overcurrent	●	●	●
		Overload	●	●	●
		Genset Under/Over Voltage	●	●	●
		Genset Under/Over Frequency	●	●	●
		under/over Speed	●	●	●
		High Engine Temperature	●	●	●
		Earth Leakage	●	●	○
Paralleling Capability		Synchroscope(Independent Bus)	×	●	×
		Active and Reactive Power Control	×	●	×
		Synchroscope(Shared Bus)	×	●	×
		Synchronization Dector	×	●	×
		Peak Lopping	×	○	×
Power Transfer Function		Automatic Transfer	●	●	○
		Hard Closed Transition	●	●	●
		Soft Closed Transtion	×	●	×
		Gen/Mains Breaker	●	×	×
		Gen/Mains Breaker Status Protection	●	×	×
		Speed/Voltage Control	×	●	×
		Power Indication	●	●	×
		Fuel&Solenoid Valve Control	●	●	●
		Startor Control	●	●	●
		Preheating	○	○	○
		Mains Transfer Switch (Standard)	●	●	×
		Mains Transfer Switch (Emergency)	●	●	×
Environment		Operating Temperature (-40℃-70℃)	●	●	●
		Ambient Temperature (-25℃-45℃)	●	●	●
		Humidity≤ 80%	●	●	●
Monitoring Function		Grid Over/Under Voltage Control	●	●	×
		Grid Over/Under Frequency Control	●	●	×
		Remote Start Output(Load/No-load)	●	●	●
		Optional Relay Output	●	●	●
		Remote Telecom Control with All Functions	●	●	×
		Engine Instrument Monitoring	●	●	●
		Alternator Output Instrument Monitoring	●	●	●
		Connection Point with All-around Setting For 6 Users	●	●	●
		3 Users Input Connection Point	●	●	●
		LCD Light Control of Low Light Operation Environment	●	●	●
		Safe PIN Code	●	●	●
		RS232/485 Interface	●	●	×
		Language Selection Multi-Language Function	●	●	●
			●	●	●

● Standard ○ Optional × Impossible

PARALLELING SWITCHGEAR



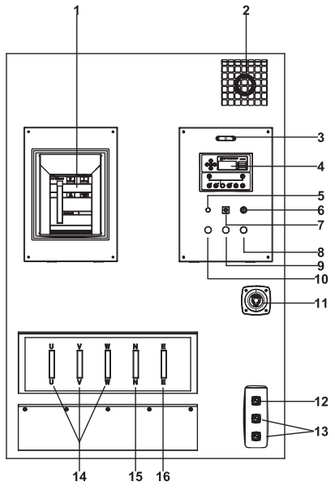
DESCRIPTION

By using inbuilt device with synchronization, power matching and paralleling functions, the controller can be synchronized with the mains, uninterruptedly returning when reaching the peak;

Can parallel up to 32 generator sets as a group.

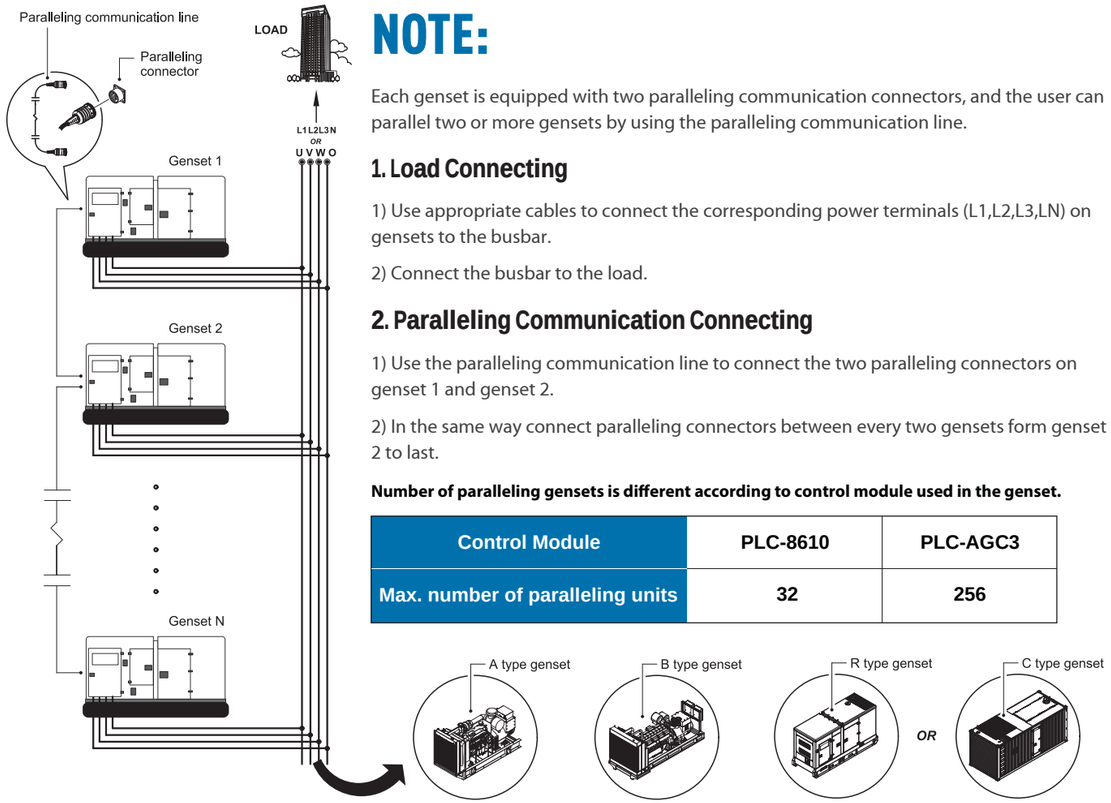
FEATURES

- Multiple languages display;
- Root mean square value voltage measurement;
- Optional power measurement device;
- Optional communication ability function, automatic synchronization indication function;
- Inbuilt or expansion relay outputs.



Control & Field Wiring Cabinet

Ref.	Description
1	Main circuit breaker
2	Alarm indicator
3	Control panel lamp
4	PLC-8610 control module
5	Charge indicator
6	Key switch
7	Control panel lamp switch
8	Alarm reset button
9	Genset close indicator
10	Genset open indicator
11	Emergency stop button
12	Mains input/ remote communication connector
13	2xparalleling communication connectors
14	Live wire terminals
15	Neutral wire terminal
16	Ground wire terminals



NOTE:

Each genset is equipped with two paralleling communication connectors, and the user can parallel two or more gensets by using the paralleling communication line.

1. Load Connecting

1) Use appropriate cables to connect the corresponding power terminals (L1,L2,L3,LN) on gensets to the busbar.

2) Connect the busbar to the load.

2. Paralleling Communication Connecting

1) Use the paralleling communication line to connect the two paralleling connectors on genset 1 and genset 2.

2) In the same way connect paralleling connectors between every two gensets form genset 2 to last.

Number of paralleling gensets is different according to control module used in the genset.

Control Module	PLC-8610	PLC-AGC3
Max. number of paralleling units	32	256

HUMANIZED OPERATION: DIGITAL HUMAN OPERATION INTERFACE

LED/LCD display	Functions and protections	
• Voltage • Amperage • Frequency • kw • kVAr • Power factor • Synchrosecope	• Reverse power • Dead bus sensing • Voltage matching • Frequency matching • Phase angle matching	• Ramp control • Blend control • Circuit breaker closing ontract • Engine speed control

* For more information, plese refer to relevant information about Control System and Module.

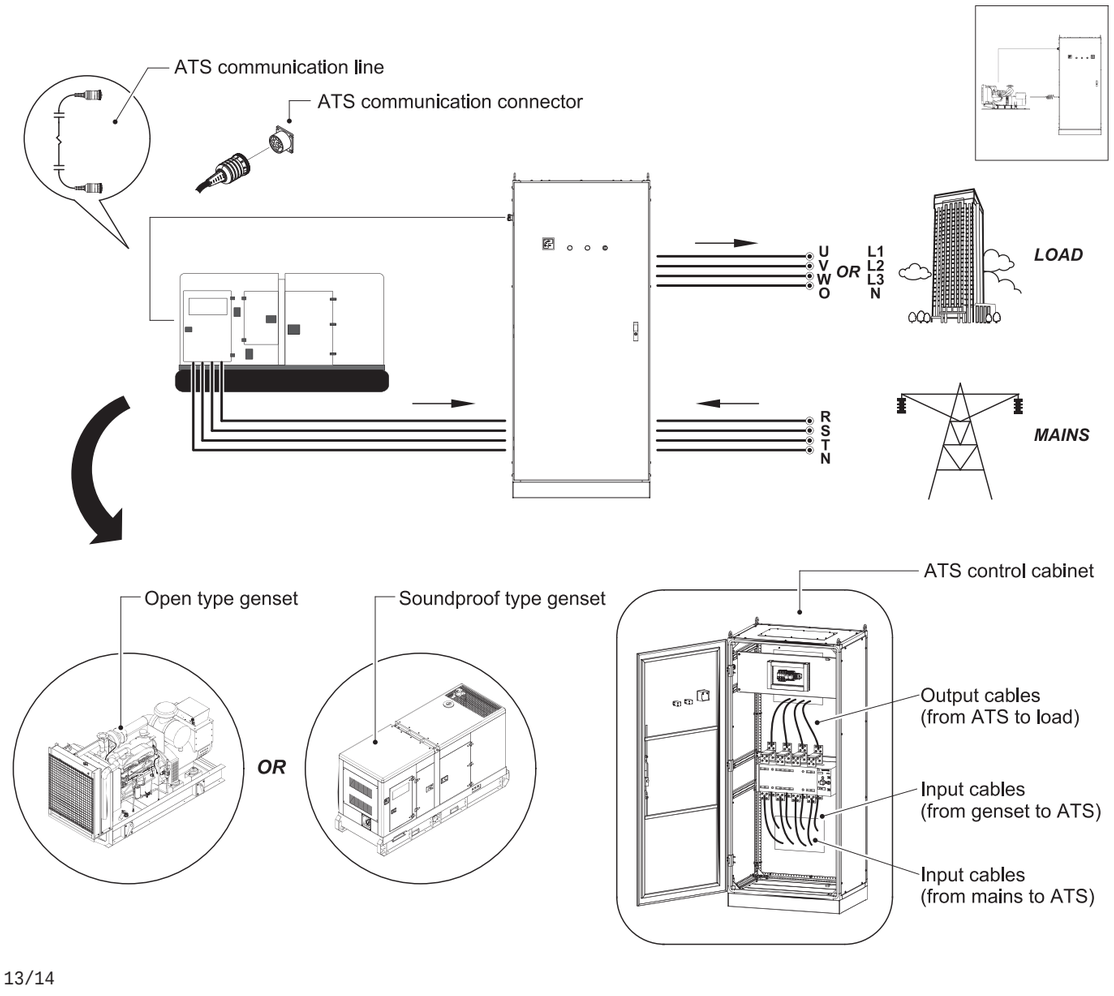
Containerized Paralleling Control System Switch Cabinet

Current（A）	Speed Type	Control Voltage	Paralleling Control（Quantity：1 units/cabinet） Control Systems	Poles
2000	E	24V	PLC-8610	3P
2000	EFI	24V	PLC-8610	3P
2500	E	24V	PLC-8610	3P
2500	EFI	24V	PLC-8610	3P
3200	E	24V	PLC-8610	3P
3200	EFI	24V	PLC-8610	3P

Silent R Paralleling Control System Switch Cabinet

Current（A）	Speed Type	Control Voltage	Paralleling Control（Quantity：1 units/cabinet） Control System	Poles
400	E	24V	PLC-8610	3P
400	EFI	24V	PLC-8610	3P
500	E	24V	PLC-8610	3P
500	EFI	24V	PLC-8610	3P
630	E	24V	PLC-8610	3P
630	EFI	24V	PLC-8610	3P
800	E	24V	PLC-8610	3P
800	EFI	24V	PLC-8610	3P
1000	E	24V	PLC-8610	3P
1000	EFI	24V	PLC-8610	3P
1250	E	24V	PLC-8610	3P
1250	EFI	24V	PLC-8610	3P
1600	E	24V	PLC-8610	3P
1600	EFI	24V	PLC-8610	3P

AUTO TRANSFER SWITCH (ATS)



FEATURES

- Sheet steel lockable enclosure with hinged door
- Finished in RAL7035 textured powder-coat
- Removable base gland plate for cable entry/exit on all ratings
- Additional top gland plate on all ratings of 160A and above
- Control segregation and secondary screening on all ratings of 160A and above
- Voltmeter (0-500) across L1-L2 on load output
- Load transfer push buttons
- 22.5mm multi-head LED indicators for “mains on load” and “generator on load”
- Interface to PowerLink generator control panel
- Suitably rated earth bar

50/60 Hz, 20-3200 Amps

Model		P20A	P40A	P63A	P80A	P100A	P125A	P160A	P250A	P400A	P630A	P800A	P1000A	P1250A	P1600A	P2000A	P2500A	P3200A
Rated Thermal Current Ith		20A	40A	63A	80A	100A	125A	160A	250A	400A	630A	800A	1000A	1250A	1600A	2000A	2500A	3200A
Rated Isolation Voltage Ui		750V	750V	750V	750V	750V	750V	750V	750V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V
Rated Impulse Withstand Voltage Uimp		8KV	8KV	8KV	8KV	8KV	8KV	8KV	8KV	12KV	12KV	12KV	12KV	12KV	12KV	12KV	12KV	12KV
Rated Operating Voltage Ue		AC440V	AC440V	AC440V	AC440V	AC440V	AC440V	AC440V	AC440V	AC440V	AC440V	AC440V	AC440V	AC440V	AC440V	AC440V	AC440V	AC440V
Rated Operating Current Ie	AC-31A	20	40	63	80	100	125	160	250	400	630	800	1000	1250	1600	2000	2500	3200
	AC-35A	20	40	63	80	100	125	160	250	400	630	800	1000	1250	1600	2000	2500	3200
	AC-33A	20	40	63	80	100	125	160	250	400	630	800	1000	1250	1600	2000	2500	3200
Rated Ability to Connect		10Ie	10Ie	10Ie	10Ie	10Ie	10Ie	10Ie	10Ie	10Ie	10Ie	10Ie	10Ie	10Ie	10Ie	10Ie	10Ie	10Ie
Breaking Capacity of Rated Limit Short-Circuit		8Ie	8Ie	8Ie	8Ie	8Ie	8Ie	8Ie	8Ie	8Ie	8Ie	8Ie	8Ie	8Ie	8Ie	8Ie	8Ie	8Ie
Rated Limit Short-Circuit Current		100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA	100KA	70KA	100KA	120KA	80KA	80KA	80KA
Short-Time With Stand Current IS		7KA	7KA	7KA	7KA	7KA	7KA	9KA	9KA	9KA	9KA	9KA	13KA	26KA	50KA	55KA	55KA	55KA
Switch Time I-II or II-I		0.45S	0.45S	0.45S	0.45S	0.45S	0.45S	0.45S	0.45S	0.45S	0.45S	0.45S	0.6S	0.6S	0.6S	0.6S	0.6S	0.6S
Control Input Voltage		AC220V	AC220V	AC220V	AC220V	AC220V	AC220V	AC220V	AC220V	AC220V	AC220V	AC220V	AC220V	AC220V	AC220V	AC220V	AC220V	AC220V
Dimension （mm）	L	645.2	645.2	645.2	645.2	645.2	645.2	645.2	645.2	725.2	725.2	905.2	905.2	905.2	1000	1000	1000	1000
	W	325.5	325.5	325.5	325.5	325.5	325.5	325.5	325.5	502	502	631.5	631.5	631.5	800	800	800	800
	H	580	580	580	580	580	580	580	580	1649	1649	2026	2026	2026	1927	1927	1927	1927
Rated Control Voltage	Start	300W	300W	300W	300W	300W	300W	300W	300W	300W	300W	325W	355W	400W	440W	600W	600W	600W
	Normal	55W	55W	55W	55W	55W	55W	55W	55W	55W	55W	62W	74W	90W	98W	120W	120W	120W
Weight (kg)	SYK14 Poles	7	7.2	7.2	7.2	7.5	7.5	8.8	9	16.5	17	32	36	40	49	95	98	135

Specification and Configuration

Powered by Perkins Engines

50Hz

CE

CIRCUIT BREAKER

ELECTRIC START

DC.12/24V

Features:

- Excitation system: self-excited (AREP and PMG are optional)
- ATS (automatic transfer switch) receptacle
- Lockable battery isolator switch
- Stainless galvanized zinc plates with strong corrosion resistance
- PLC920 or PLC7420 for remote control
- Vibration isolators between the engine/alternator and base frame
- Integrated wiring design
- Noise level: 55-65 dBA@7m (for soundproof type)
- Base fuel tank for at least 8 hours running
- Equipped with an industrial muffler
- Engine oil pump
- 50℃ radiator
- Top lifting and steel base frame with forklift holes
- Drainage for fuel tank
- Complete protection functions and safety labels
- IP54 (soundproof sets), IP56 (control system)
- Water jacket preheater, oil heater and double air cleaner, etc. are available.
- Engine speeder

5-60kVA

Single-phase 50Hz, 1500RPM

Model	Prime Power		Standby Power		Engine	Alternator	Open sets			Soundproof sets			ATS
	kVA	kW	kVA	kW			L*W*H(mm)	Weight(kg)	Tank(L)	L*W*H(mm)	Weight(kg)	Tank(L)	
PP6/S	5.8	5	6	5	403D-07G	ECP28-1VS/4	1250*600*1000	300	60	1800*928*1250	600	80	P40A
PP9/S	9	7	10	8	403A-11G1	ECP28-0S/4	1220*591*1056	407	73	1892*913*1353	762	100	P40A
PP13/S	13	10	14	11	403A-15G1	ECP28-S/4	1439*600*1118	517	80	1732*908*1227	704	90	P40A
PP15/S	15	12	17	13	403A-15G2	ECP28-M/4	1433*600*1118	481	80	1932*927*1308	725	100	P63A
PP20/S	20	16	22	18	404A-22G1	ECP28-2L/4	1708*600*1216	610	95	2192*950*1453	1060	135	P63A
PP27/S	27	22	30	24	404D-22TG	ECO32-2S/4	1558*600*1215	543	90	2142*865*1369	940	100	P80A
PP30/S	30	24	33	26	1103A-33G	ECO32-3S/4	1845*840*1327	810	130	2338*1050*1561	1286	180	P100A
PP45/S	45	36	50	40	1103A-33TG1	ECO32-2L/4	1904*798*1384	917	220	2338*1050*1561	1340	180	P160A
PP60/S	60	48	66	53	1103A-33TG2	ECO32-3L/4	2014*798*1468	1121	180	2578*1112*1629	1641	240	P250A

Single-phase 50Hz, 3000RPM

PP8/S	8.3	6.6	9.1	7.3	402D-05G	ECP3-2S/2	1250*600*1000	300	60	1800*928*1250	600	80	P40A
PP12/S	12.3	9.8	14	10.8	403D-07G	ECP3-1L/2	1357*600*1085	384	73	1932*928*1308	648	100	P40A
PP18/S	18	14	20	16	403D-11G	ECP-28 M/2	1357*600*1085	384	73	1932*928*1308	648	100	P63A
PP22/S	22	18	24	19	403D-15G	ECP-28 2L/2	1433*600*1118	481	80	1932*927*1308	725	100	P63A
PP33/S	33	27	36	29	404D-22G	ECO31-2SN/2	1558*600*1215	543	90	2142*865*1369	940	100	P100A

Three-phase 50Hz, 1500RPM

WPS6/S	5.8	4.7	6.4	5.1	403D-07G	ECP28-2VS/4	1250*600*1000	300	60	1800*928*1250	600	80	P20A
WPS10/S	9	7	10	8	403A-11G1	ECP28-2VS/4	1357*600*1085	384	73	1932*928*1308	648	100	P20A
WPS13/S	13	10	13.8	11	403A-15G1	ECP28-0VS/4	1433*600*1118	481	80	1932*927*1308	725	100	P40A
WPS15/S	15	12	17	13	403A-15G2	ECP28-S/4	1433*600*1118	481	80	1932*927*1308	725	100	P40A
WPS20/S	20	16	22	17.6	404A-22G1	ECP28-M/4	1558*600*1215	543	90	2142*865*1369	940	100	P40A
WPS27/S	27	22	30	24	404D-22TG	ECP28-VL/4	1558*600*1215	543	90	2142*865*1369	940	100	P63A
WPS30/S	30	24	33	26.4	1103A-33G	ECP28-VL/4	1912*729*1337	787	130	2338*1080*1561	1292	180	P63A

Three-phase 50Hz, 3000RPM

WPS8/S	8.3	6.6	9.1	7.3	402D-05G	ECP3-1S/2	1250*600*1000	300	60	1800*928*1250	600	80	P20A
WPS12/S	12.3	9.8	13.5	10.8	403D-07G	ECP3-3S/2	1357*600*1085	384	73	1932*928*1308	648	100	P40A
WPS18/S	18	14	20	16	403D-11G	ECP3-2L/2	1357*600*1085	384	73	1932*928*1308	648	100	P40A
WPS22/S	22	18	24	19	403D-15G	ECP-28 M/2	1433*600*1118	481	80	1932*927*1308	725	100	P40A
WPS33/S	33	26	36	29	404D-22G	ECP-28 VL/2	1558*600*1215	543	90	2142*865*1369	940	100	P63A

×: Impossible

Notes:

- All ratings are for guidance only, please refer to the specific genset technical data sheet for final power ratings.
- All ratings data is based on operation under ISO 8528, ISO 3046, DIN6271 conditions using typical fan sizes and drive ratios. Performance tolerance quoted by PowerLink is ±5%.
- Prime Power = Power at available load in lieu of main power network. An overload of 10% permitted for one hour in every twelve hours of operation.
- Standby Power = Power available at a variable load in the event of a main power network failure up to a maximum of 500 hours per year. No over load is permitted.
- Rated power factor: 0.80.
- The ATS is based on the following standards: three phase gensets (380-480V), single phase gensets (220-240V).
- Also available in the following voltages: 1P 220V/230V/240V; 3P 380V/220V, 400V/230V, 415V/240V/, 440V/254V.

Specification and Configuration

Powered by Perkins Engines

50Hz

CE

CIRCUIT BREAKER

ELECTRIC START

DC.12/24V

Features:

- Excitation system: self-excited (AREP and PMG are optional)
- ATS (automatic transfer switch) receptacle
- Lockable battery isolator switch
- Stainless galvanized zinc plates with strong corrosion resistance
- PLC920 or PLC7420 for remote control
- Vibration isolators between the engine/alternator and base frame
- Integrated wiring design
- Noise level: 65-78 dBA@7m (for soundproof type)
- Base fuel tank for at least 8 hours running
- Equipped with an industrial muffler
- Engine oil pump
- 50℃ radiator
- Top lifting and steel base frame with forklift holes
- Drainage for fuel tank
- Complete protection functions and safety labels
- IP54 (soundproof sets), IP56 (control system)
- Water jacket preheater, oil heater and double air cleaner, etc. are available.

45-100kVA

Three-phase 50Hz, 1500RPM

Model	Prime Power		Standby Power		Engine	Alternator	Open sets			Soundproof sets			ATS
	kVA	kW	kVA	kW			L*W*H(mm)	Weight(kg)	Tank(L)	L*W*H(mm)	Weight(kg)	Tank(L)	
WPS45/S	45	36	49.5	39.6	1103A-33TG1	ECO32-1L/4	1911*802*1384	875	220	2338*1080*1561	1376	180	P80A
WPS60/S	60	48	66	52.8	1103A-33TG2	ECO32-2L/4	1914*817*1384	894	220	2338*1115*1561	1446	180	P100A
WPS80/S	80	64	88	70.4	1104A-44TG2	LSA43.2L8	2083*811*1366	1088	265	2788*1100*1700	1730	180	P160A
WPS100/S	100	80	110	88	1104C-44TAG2	LSA44.2VS45	2317*890*1405	1267	308	2888*1100*1700	1852	220	P250A
WPS100/S	100	80	110	88	1006TG2A	LSA44.2VS45	2204*796*1395	1241	260	2888*1157*1900	1852	550	P250A

137-275kVA

Three-phase 50Hz, 1500RPM

WPS137/S	137	110	151.3	121	1006TAG	LSA44.2M95	2627*1036*1492	1564	380	3340*1845*1260	2314	420	P250A
WPS150/S	150	120	165	132	1006TAG2	LSA44.2M95	2627*1036*1492	1570	380	3338*1222*1843	2359	420	P400A
WPS150B/S	150	120	165	132	1106A-70TAG2	LSA44.2M95	2627*1036*1492	1569	380	3468*1263*1843	2586	420	P400A
WPS180/S	180	144	198	158.4	1106C-E66TAG4	LSA46.2M3	2600*720*1571	1729	280	3518*1200*1842	2620	420	P400A
WPS180B/S	180	144	198	158.4	1106A-70TAG3	LSA46.2M3	2751*836*1575	1729	380	3468*1263*1843	2688	420	P400A
WPS200/S	200	160	220	176	1306C-E87TAG3	LSA46.2M5	2980*1040*1825	2068	435	3662*1365*2015	3008	470	P400A
WPS200B/S	200	160	220	176	1106A-70TAG4	LSA46.2M5	2785*986*1759	2044	350	3468*1263*1843	2740	420	P400A
WPS225/S	225	180	247.5	198	1306C-E87TAG4	LSA46.2L6	2909*980*1716	2075	390	3662*1365*2015	3094	470	P400A
WPS250/S	250	200	275	220	1306C-E87TAG6	LSA46.2L6	2850*900*1819	2196	435	3662*1351*1998	3144	520	P630A
WPS275/S	275	220	302.5	242	1606A-E93TAG4	LSA46.2L9	3100*1000*2050	2500	650	4800*1400*2250	3800	660	P630A

300-625kVA

Three-phase 50Hz, 1500RPM

WPS300/S	300	240	330	264	1606A-E93TAG5	LSA46.2VL12	3250*1050*2100	2800	775	4525*1400*2250	4150	730	P630A
WPS350/S	350	280	385	308	2206C-E13TAG2	LSA47.2VS1	3400*1090*2150	3130	900	4242*1400*2512	4473	800	P630A
WPS400/S	400	320	440	352	2206C-E13TAG3	LSA47.2S4	3396*1210*2150	3218	710	4242*1400*2510	4955	800	P800A
WPS450/S	450	360	495	396	2506C-E15TAG1	LSA47.2S5	3500*1090*1870	3572	950	4592*1500*2562	5131	1020	P800A
WPS500/S	500	400	550	440	2506C-E15TAG2	LSA47.2M7	3750*1165*2731	3797	950	4512*1543*2553	5228	1020	P1000A
WPS600/S	600	480	660	528	2806C-E18TAG1A	LSA47.2L9	3800*1536*2204	4662	1100	4692*1700*2488	6330	945	P1250A
WPS625/S	625	500	687.5	550	2806A-E18TAG2	LSA49.1S4A	3650*1420*2300	4782	1200	4692*1700*2488	6389	945	P1250A

×: Impossible

Notes:

- All ratings are for guidance only, please refer to the specific genset technical data sheet for final power ratings.
- All ratings data is based on operation under ISO 8528, ISO 3046, DIN6271 conditions using typical fan sizes and drive ratios. Performance tolerance quoted by PowerLink is ±5%.
- Prime Power = Power at available load in lieu of main power network. An overload of 10% permitted for one hour in every twelve hours of operation.
- Standby Power = Power available at a variable load in the event of a main power network failure up to a maximum of 500 hours per year. No over load is permitted.
- Rated power factor: 0.80.
- The ATS is based on the following standards:three phase gensets (380-480V).
- Also available in the following voltages: 3P 380V/220V, 400V/230V, 415V/240V/, 440V/254V.

Specification and Configuration

Powered by Perkins Engines

50Hz

725-1000kVA

Three-phase 50Hz, 1500RPM

Model	Prime Power		Standby Power		Engine	Alternator	Open sets			Soundproof sets			ATS
	kVA	kW	kVA	kW			L*W*H(mm)	Weight(kg)	Tank(L)	L*W*H(mm)	Weight(kg)	Tank(L)	
WPS725/S	725	580	797.5	638	4006-23TAG3A	LSA49.1M6	3810*1710*2260	6444	1000	6058*2438*2735	11248	1150	P1250A
WPS800/S	800	640	880	704	4006-23TAG3A	LSA49.1M75	3810*1710*2260	6444	1000	6058*2438*2725	1157	1150	P1600A
WPS900/S	900	720	990	792	4008TAG2A	LSA49.1L10	4800*2046*2335	6122	／	6058*2438*2730	11128	1150	P1600A
WPS1000/S	1000	800	1100	880	4008TAG2A	LSA49.1L11	4566*2046*2279	6264	／	6058*2438*2728	11760	1150	P2000A

1250-2250kVA

Three-phase 50Hz, 1500RPM

Model	Prime Power		Standby Power		Engine	Alternator	Open sets			Soundproof sets			ATS
	kVA	kW	kVA	kW			L*W*H(mm)	Weight(kg)	Tank(L)	L*W*H(mm)	Weight(kg)	Tank(L)	
WPS1250/S	1250	1000	1375	1100	4012-46TWG2A	LSA50.2M6	4680*1800*2385	9407	／	12192*2438*3150	19469	2000	P2500A
WPS1500/S	1500	1200	1650	1320	4012-46TAG2A	LSA50.2L8	5080*2192*2410	9895	／	12192*2438*3150	20220	2000	P3200A
WPS1710/S	1710	1368	1881	1505	4012-46TAG3A	LSA51.2S55	5260*2200*2436	10615	／	12192*2438*3150	20220	2000	P3200A
WPS1750/S	1750	1400	1925	1540	4016TAG	LSA51.2S55	5000*2192*3246	9803	／	12192*2438*3150	20352	2000	P3200A
WPS2000/S	2000	1600	2200	1760	4016TAG2A	LSA51.2M60	5000*2192*3246	10530	／	12192*2438*3150	20480	2000	P3200A
WPS2250/S	2250	1800	2475	1980	4016-61TRG3	LSA51.2VL85	5000*2192*3246	10530	／	12192*2438*3150	20650	2000	P3200A

×: Impossible

Notes:

- All ratings are for guidance only, please refer to the specific genset technical data sheet for final power ratings.
- All ratings data is based on operation under ISO 8528, ISO 3046, DIN6271 conditions using typical fan sizes and drive ratios. Performance tolerance quoted by PowerLink is ±5%.
- Prime Power = Power at available load in lieu of main power network. An overload of 10% permitted for one hour in every twelve hours of operation.
- Standby Power = Power available at a variable load in the event of a main power network failure up to a maximum of 500 hours per year. No over load is permitted.
- Rated power factor: 0.80.
- The ATS is based on the following standards:three phase gensets (380-480V).
- Also available in the following voltages: 3P 380V/220V, 400V/230V, 415V/240V/, 440V/254V.

Features:

- Excitation system: self-excited (AREP and PMG are optional)
- ATS (automatic transfer switch) receptacle
- Lockable battery isolator switch
- Stainless galvanized zinc plates with strong corrosion resistance
- PLC8610 or PLC7420 for remote control
- Vibration isolators between the engine/alternator and base frame
- Integrated wiring design
- Noise level: 70-85 dBA@7m (for soundproof type)
- Base fuel tank for at least 8 hours running
- Equipped with an industrial muffler
- Engine oil pump
- 50℃ radiator
- Top lifting and steel base frame with forklift holes
- Drainage for fuel tank
- Complete protection functions and safety labels
- IP54 (soundproof sets), IP56 (control system)
- Water jacket preheater, oil heater and double air cleaner, etc. are available.

CIRCUIT BREAKER

ELECTRIC START

DC.12/24V

Specification and Configuration

Powered by Perkins Engines

60Hz

5-60kVA

Single-phase 60Hz, 1800RPM

Model	Standby Power		Prime Power		Engine	Alternator	Open sets			Soundproof sets			ATS	
	kW	kVA	kW	kVA			L*W*H(mm)	Weight(kg)	Tank(L)	L*W*H(mm)	Weight(kg)	Tank(L)	220V*	230V*
PP5D6/S	4.3	5.4	3.9	4.8	402D-05G	ECP28-1VS/4	1357*600*1085	384	73	1932*898*1308	542	100	×	P40A
PP6D6/S	6	8	6	7	403D-07G	ECP28-1VS/4	1357*600*1085	384	73	1932*898*1308	542	100	×	P40A
PP10D6/S	9.9	12.4	9	11	403D-11G	ECP28-2VS/4	1357*600*1085	384	73	1932*898*1308	542	100	×	P40A
PP16D6/S	16	20	14	18	403A-15G2	ECP28-M/4	1433*600*1118	481	80	1932*927*1308	725	100	P100A	×
PP21D6/S	21	26	19	24	404D-22G	ECP28-2L/4	1708*600*1216	610	95	2192*950*1453	1121	135	×	P80A
PP28D6/S	28	36	26	33	404D-22TG	ECO32-2S/4	1845*840*1327	810	130	2338*1050*1561	1286	180	×	P160A
PP31D6/S	31	38	28	35	1103A-33G	ECO32-2S/4	1558*600*1215	543	90	2142*865*1369	940	100	P250	×
PP31D6/S	31	39	28	36	404D-22TAG	ECO32-3S/4	1904*798*1384	917	220	2338*1050*1561	1340	180	×	P250A
PP47D6/S	47	58	43	53	1103A-33TG1	ECO32-1L/4	1904*798*1384	917	220	2338*1050*1561	1340	180	×	P250A
PP60D6/S	60.5	75.6	55	69	1103A-33TG2	ECO32-2L/4	2014*798*1468	1121	180	2578*1112*1629	1641	240	×	P250A

Three-phase 60Hz, 1800RPM

Model	Standby Power		Prime Power		Engine	Alternator	Open sets			Soundproof sets			ATS
	kW	kVA	kW	kVA			L*W*H(mm)	Weight(kg)	Tank(L)	L*W*H(mm)	Weight(kg)	Tank(L)	208V*
WPS5D6/S	4.3	5.4	3.9	4.8	402D-05G	ECP28-1VS/4	1250*600*1000	300	60	1800*928*1250	600	80	P20A
WPS6D6/S	6	8	6	7	403D-07G	ECP28-1VS/4	1250*600*1000	300	60	1800*928*1250	600	80	P40A
WPS10D6/S	9.9	12.4	9	11	403D-11G	ECP28-2VS/4	1357*600*1085	384	73	1932*850*1308	632	100	P40A
WPS16D6/S	16	20	14	18	403A-15G2	ECP28-S/4	1433*600*1118	481	80	1932*927*1308	725	100	P63A
WPS21D6/S	21	26	19	24	404D-22G	ECP28-M/4	1558*600*1215	543	90	2142*830*1370	1036	100	P80A
WPS28D6/S	28	36	26	33	404D-22TG	ECP28-VL/4	1558*600*1215	543	90	2142*865*1369	940	100	P100A
WPS31D6/S	31	39	28.8	36	404D-22TAG	ECO32-2S/4	1558*600*1215	543	90	2142*830*1370	1036	100	P160A
WPS31D6/S	31	39	28	35	1103A-33G	ECP28-VL/4	1891*712*1337	806	130	2338*1115*1744	1279	180	P160A

×: Impossible

CE

CIRCUIT BREAKER

ELECTRIC START

DC.12/24V

Features:

- Excitation system: self-excited (AREP and PMG are optional)
- ATS (automatic transfer switch) receptacle
- Lockable battery isolator switch
- Stainless galvanized zinc plates with strong corrosion resistance
- PLC920 or PLC7420 for remote control
- Vibration isolators between the engine/alternator and base frame
- Integrated wiring design
- Noise level: 55-65 dBA@7m (for soundproof type)
- Base fuel tank for at least 8 hours running
- Equipped with an industrial muffler
- Engine oil pump
- 50℃ radiator
- Top lifting and steel base frame with forklift holes
- Drainage for fuel tank
- Complete protection functions and safety labels
- IP54 (soundproof sets), IP56 (control system)
- Water jacket preheater, oil heater and double air cleaner, etc. are available.

Notes:

- All ratings are for guidance only, please refer to the specific genset technical data sheet for final power ratings.
- All ratings data is based on operation under ISO 8528, ISO 3046, DIN6271 conditions using typical fan sizes and drive ratios. Performance tolerance quoted by PowerLink is ±5%.
- Prime Power = Power at available load in lieu of main power network. An overload of 10% permitted for one hour in every twelve hours of operation.
- Standby Power = Power available at a variable load in the event of a main power network failure up to a maximum of 500 hours per year. No over load is permitted.
- Rated power factor: 0.80.
- The ATS is based on the following standards: three phase gensets (380-480V), single phase gensets (220-240V).
- Also available in the following voltages: 1P-3W 220V/230V/240V; 1P-4W 220V/127V 230V/132V 240V/139V; 208V/120V 220V/127V 230V/132V 240V/139V.

Specification and Configuration

60Hz

Powered by Perkins Engines

CIRCUIT BREAKER

ELECTRIC START

DC.12/24V

Features:

- Excitation system: self-excited (AREP and PMG are optional)
- ATS (automatic transfer switch) receptacle
- Lockable battery isolator switch
- Stainless galvanized zinc plates with strong corrosion resistance
- PLC920 or PLC7420 for remote control
- Vibration isolators between the engine/alternator and base frame
- Integrated wiring design
- Noise level: 65-78 dBA@7m (for soundproof type)
- Base fuel tank for at least 8 hours running
- Equipped with an industrial muffler
- Engine oil pump
- 50℃ radiator
- Top lifting and steel base frame with forklift holes
- Drainage for fuel tank
- Complete protection functions and safety labels
- IP54 (soundproof sets), IP56 (control system)
- Water jacket preheater, oil heater and double air cleaner, etc. are available.

50-100kVA

Three-phase 60Hz, 1800RPM

Model	Standby Power		Prime Power		Engine	Alternator	Open sets			Soundproof sets			ATS	
	kW	kVA	kW	kVA			L*W*H(mm)	Weight(kg)	Tank(L)	L*W*H(mm)	Weight(kg)	Tank(L)	208V*	480V*
WPS47D6/S	47	58	43	53	1103A-33TG1	ECO32-1L/4	2022*798*1448	1004	347	2338*1080*1561	1363	180	P250A	×
WPS60D6/S	60.5	75.6	55	69	1103A-33TG2	ECO32-2L/4	2022*798*1448	1004	347	2338*1115*1546	1441	180	P250A	×
WPS80D6/S	80	100	73	91	1104A-44TG2	UCI224F	2164*803*1367	1077	265	2888*1132*1680	1852	220	P400A	×
WPS100D6/S	99	124	90	113	1104C-44TAG2	UCI274C	2317*890*1405	1267	308	2888*1130*1680	1852	220	P400A	×

130-216kVA

Three-phase 60Hz, 1800RPM

WPS130D6/S	133	166	121	151	1006TAG	UCI274E	2627*1036*1492	1517	380	3338*1222*1841	1517	380	P630A	×
WPS180D6/S	183	228	165	206	1106C-E66TAG4	UCI274F	2600*720*1571	1729	280	3518*1842*1242	1729	280	P630A	×
WPS205D6/S	204	254	185	231	1306C-E87TAG3	UCI274G	2980*1040*1825	2068	435	3662*2005*1342	2068	435	P800A	×
WPS216D6/S	216	270	196	245	1306C-E87TAG4	UCI274H	2909*980*1716	2075	390	3662*1365*2015	2075	390	P800A	×

350-600kVA

Three-phase 60Hz, 1800RPM

WPS350D6/S	352	440	320	400	2206C-E13TAG2	HCI444ES	3420*1210*2150	3080	840	4242*1463*2512	3080	840	P1250A	P630A
WPS350D6B/S	352	440	320	400	2206A-E13TAG5	HCI444ES	3400*1090*2150	3130	900	4242*1400*2512	3130	900	P1250A	P630A
WPS400D6/S	400	500	350	438	2206A-E13TAG6	HCI444E	3396*1210*2150	3218	710	4242*1400*2510	3218	710	P1600A	P630A
WPS450D6/S	440	550	400	500	2506C-E15TAG1	HCI444F	3500*1090*1870	3572	950	4592*1500*2562	3572	950	P1600A	P800A
WPS500D6/S	501	626	455	569	2506C-E15TAG3	HCI544C	3750*1165*2731	3797	950	4592*1556*2521	3797	950	P2000A	P800A
WPS500D6B/S	501	626	455	569	2506A-E15TAG4	HCI544C	3750*1165*2731	3797	950	4512*1543*2553	3797	950	P2000A	P800A
WPS550D6/S	550	688	500	625	2806C-E18TAG1A	HCI544D	3800*1536*2204	4662	1100	4692*1700*2488	4662	1100	×	P1000A
WPS600D6/S	601	751	546	683	2806A-E18TAG3	HCI544E	3650*1420*2300	4782	1200	4692*1700*2488	4782	1200	×	P1000A

×: Impossible

Notes:

- All ratings are for guidance only, please refer to the specific genset technical data sheet for final power ratings.
- All ratings data is based on operation under ISO 8528, ISO 3046, DIN6271 conditions using typical fan sizes and drive ratios. Performance tolerance quoted by PowerLink is ±5%.
- Prime Power = Power at available load in lieu of main power network. An overload of 10% permitted for one hour in every twelve hours of operation.
- Standby Power = Power available at a variable load in the event of a main power network failure up to a maximum of 500 hours per year. No over load is permitted.
- Rated power factor: 0.80.
- The ATS is based on the following standards: three phase gensets (380-480V), single phase gensets (220-240V).
- Also available in the following voltages: 1P-3W 220V/230V/240V; 1P-4W 220V/127V 230V/132V 240V/139V; 208V/120V 220V/127V 230V/132V 240V/139V.

Specification and Configuration

Powered by Perkins Engines

CE

CIRCUIT BREAKER

ELECTRIC START

DC.12/24V

Features:

- Excitation system: self-excited (AREP and PMG are optional)
- ATS (automatic transfer switch) receptacle
- Lockable battery isolator switch
- Stainless galvanized zinc plates with strong corrosion resistance
- PLC8610 or PLC7420 for remote control
- Vibration isolators between the engine/alternator and base frame
- Integrated wiring design
- Noise level: 70-85 dBA@7m (for soundproof type)
- Base fuel tank for at least 8 hours running
- Equipped with an industrial muffler
- Engine oil pump
- 50℃ radiator
- Top lifting and steel base frame with forklift holes
- Drainage for fuel tank
- Complete protection functions and safety labels
- IP54 (soundproof sets), IP56 (control system)
- Water jacket preheater, oil heater and double air cleaner, etc. are available.

60Hz

660-1100kVA

Three-phase 60Hz, 1800RPM

Model	Standby Power		Prime Power		Engine	Alternator	Open sets			Soundproof sets			ATS	
	kW	kVA	kW	kVA			L*W*H(mm)	Weight(kg)	Tank(L)	L*W*H(mm)	Weight(kg)	Tank(L)	380V*	480V*
WPS660D6B/S	660	825	600	750	4006-23TAG2A	HCI544FS	3810*1710*2260	6444	1000	6058*2438*2735	11248	1150	P1600A	P1000A
WPS660D6/S	660	825	600	750	4006-23TAG3A	HCI544FS	3810*1710*2260	6444	1000	6058*2438*2735	11248	1150	P1600A	P1000A
WPS750D6/S	743	928	675	844	4006-23TAG3A	LVI634B	3810*1710*2260	6444	1000	6058*2438*2735	11248	1150	P1600A	P1250A
WPS880D6/S	876	1095	796	995	4008TAG2	LVI634D	4800*2046*2335	6122	／	6060*2400*2600	11248	1150	P2000A	P1600A

Model	Standby Power		Prime Power		Engine	Alternator	Open sets			Soundproof sets			ATS	
	kW	kVA	kW	kVA			L*W*H(mm)	Weight(kg)	Tank(L)	L*W*H(mm)	Weight(kg)	Tank(L)	380V*	480V*
WPS1100D6/S	1102	1378	1002	1253	4012-46TWG2A	LVI634F	4680*1800*2385	9407	／	12200*2440*3533	15039	1500	P2500A	P2000A

×: Impossible

Notes:

- All ratings are for guidance only, please refer to the specific genset technical data sheet for final power ratings.
- All ratings data is based on operation under ISO 8528, ISO 3046, DIN6271 conditions using typical fan sizes and drive ratios. Performance tolerance quoted by PowerLink is ±5%.
- Prime Power = Power at available load in lieu of main power network. An overload of 10% permitted for one hour in every twelve hours of operation.
- Standby Power = Power available at a variable load in the event of a main power network failure up to a maximum of 500 hours per year. No over load is permitted.
- Rated power factor: 0.80.
- The ATS is based on the following standards: three phase gensets (380-480V), single phase gensets (220-240V).
- Also available in the following voltages: 1P-3W 220V/230V/240V; 1P-4W 220V/127V 230V/132V 240V/139V; 208V/120V 220V/127V 230V/132V 240V/139V.

TRAILER

TRAILER CONFIGURATION

Trailer Type	Configuration
Running speed ⩽80(km/h)	Including taillight, taillight connector, taillight wiring harness and outrigger.
Running speed ⩽30(km/h)	Including reflector, rubber sealing plug, outrigger, fender, block and fixed bolt.

PARKING BRaking

- No service braking for below 0.75T, mechanical braking for trailer from 0.75T to 3.5T;
- No hand brake for below 0.75T, as for above 0.75T, hanging and semi-hanging trailers are equipped with Parking braking and chock.
- Braking device must ensure reliable braking from up and down when trailer is on the 26% （15°） slope.
- Off-road standard trailer has no service braking.

GROUND CLEARANCE

- Regarding intensive trailer, within 1m range between front and back of axle, ground clearance is larger than 100mm.
- As for discrete trailer, with respect to over 1m distance between centers of two nearby axles, 33.33mm ground clearance should be increased for each exceeded 1m.

WHEEL ADN TYRE

Adopt vacuum tyre

TRAFFICABILITY

- Distance between base and floor is greater than 250mm;
- The angle between axle's front and rear parts and tangent surface and floor is larger than 19°.

DRAW BAR SAFETY CHAIN LINKAGE

- The chain won't link with trailer forever through hook;
- Radial drawing force—1.5x9.81xATM (N);
- Vertical drawing force—0.5x9.81xATM (N);
- ATM—total weight of trailer and tractor when overloading.
- Safety chain linkage can independently bear the following external forces without causing transformation,flaw or breakage:

EXCELLENT ANTI-VIBRATION PERFORMANCE

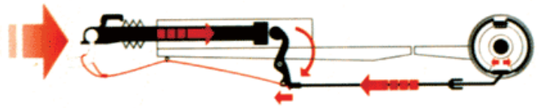
When driving, the rocking arm will move up and down to press rubber stick with max deflection value of 130mm, which will make auto stable and cozy. The driving will be more steady without the clashing among metals.

SAFE CHAIN

Weight	Qty. of Safety Chain	Specification
ATM＞2.5T	1	
2.5T＜ATM＜3.5T	2	
3.5＜ATM＜4.3 T	2	Diameter of the chain shall be equal or greater 7.1mm, the load of chain scission shall be equal or greater than 6.4T;
4.3＜ATM＜4.5 T	2	Diameter of the chain shall be equal or greater 9.5mm, the load of chain scission shall be equal or greater than 11.6T;

INERTIA BRAKING SYSTEM

Unique inertia brake equipment will produce pushing force on towing shaft at the joint when overcoming sensitivity limit, wheel brake is tightened by transmission equipment of operating lever.

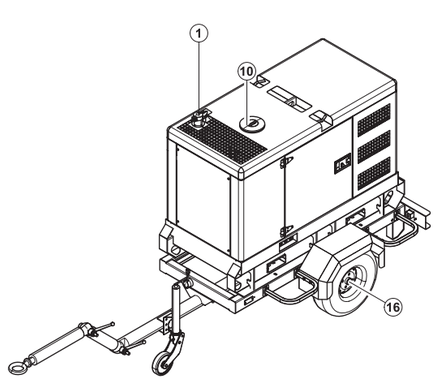


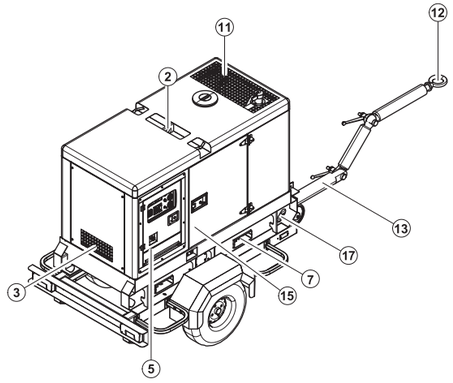
SAFETY

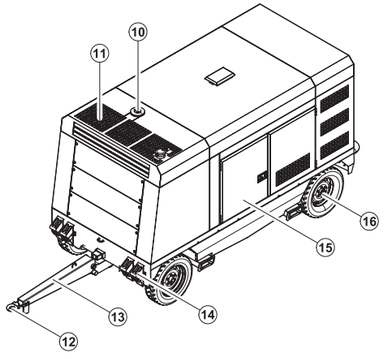
Insurance brake wire rope is linked with the main vehicle, ensuring reliable braking of trailer when accidentally unhooking.

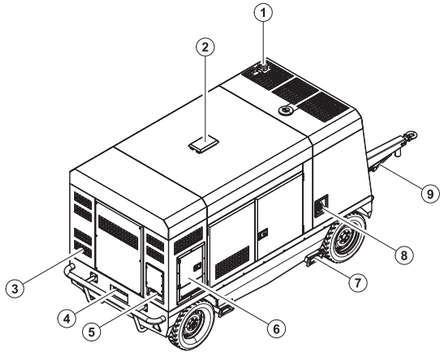
Service life of axle surpasses 20 years without maintenance.

SKETCH MAP OF TRAILER









1. Exhaust gas outlet
2. Lifting lug
3. Air inlet
4. Coolant /oil drain hose fitting
5. Control cabinet
6. Switch cabinet
7. Fork lift channel
8. Fuel inlet
9. Parking brake handle
10. Coolant inlet
11. Hot air oulet
12. Coupler
13. Draw bar
14. Wheel chock
15. Access door
16. Tyre
17. Tie down

TRAILER

Trailer Selection Guide

50Hz

Trailer Type	Genset Model	Running speed (km/h)
EA1200	WPS10S,WPS13S,GMS10KS	≤ 80
EA1500	WPS20S,GMS15KS,GMS20KS	≤ 80
EA1800	WPS30S,WPS45S,WPS60S,GMS22CS,GMS30CS,GMS42CS,GMS30KS	≤ 80
TA2500	WPS80S,GMS60CS	≤ 80
EA3000	WPS100S,WPS100S,WPS137S,GMS80CS,GMS100CS,GMS100CS,GMS130CS	≤ 80
YEA1200	WPS10S,WPS13S,GMS10KS	≤ 30
YEA1500	WPS20S,GMS15KS,GMS20KS	≤ 30
YEA1800	WPS30S,WPS45S,WPS60S,GMS22CS,GMS30CS,GMS42CS,GMS30KS	≤ 30
YTA2500	WPS80S,GMS60CS	≤ 30
YEA3000	WPS100S,WPS100S,WPS137S,WPS150S,GMS80CS,GMS100CS,GMS100CS,GMS130CS	≤ 30
YEA3500	WPS180S,GMS175CS	≤ 30
YTA4500	WPS200S-T,WPS225S-T,WPS250S-T,GMS200CS-T,GMS250CLS-T,GMS250CLS-T	≤ 30
YTA6000	WPS350S-T,WPS400S-T,GMS312CS-T,GMS350CS-T,GMS350CS-T, GMS450CS-T	≤ 30
YTA7000	WPS450S-T,WPS500S-T,GMS450CS-T,GMS500CS-T	≤ 30

60Hz

Trailer Type	Genset Model	Running speed (km/h)
EA1200	WPS10D6S,WPS14D6S,GMS10K6S	≤ 80
EA1500	WPS21D6S,GMS15K6S,GMS22K6S	≤ 80
EA1800	WPS31D6S,WPS47D6S,WPS60D6S,GMS26C6S,GMS31C6S,GMS45C6S,GMS30K6S	≤ 80
TA2500	GMS66C6S	≤ 80
EA3000	WPS80D6S,WPS100D6S,WPS130D6S,GMS95C6S,GMS125C6S	≤ 80
YEA1200	WPS10D6S,WPS14D6S,GMS10K6S	≤ 30
YEA1500	WPS21D6S,GMS15K6S,GMS22K6S	≤ 30
YEA1800	WPS31D6S,WPS47D6S,WPS60D6S,GMS26C6S,GMS31C6S,GMS45C6S,GMS30K6S	≤ 30
YTA2500	GMS66C6S	≤ 30
YEA3000	WPS80D6S,WPS100D6S,WPS130D6S,GMS95C6S,GMS125C6S	≤ 30
YEA3500	WPS180D6S,GMS165C6S	≤ 30
YTA4500	WPS205SD6S-T,WPS216D6S-T,GMS200C6S-T,GMS240C6S-T,GMS220C6S-T	≤ 30
YTA6000	WPS350D6S-T,GMS300C6S-T,GMS350C6S-T	≤ 30
YTA7000	WPS450D6S-T,WPS500D6S-T,GMS400C6S-T,GMS450C6S-T,GMS500C6S-T	≤ 30

The data is only for your reference but not for use of sales.

SOCKET BOX RATING BOOK

Combination Switched Sockets-EU-One Sockets

Model	Input Voltage / V	Input Current / A	Configuration					Dimension (W*L*H)/mm
			Circuit Breaker		RCD	Sockets		
			230V16A	400V32A	30mA	230V16A Three-hole	500V32A Five-hole	
CSS11-EU	AC230V	16A	1	0	1	1	0	197*197*128
CSS12-EU	AC400V	32A	0	1	1	0	1	197*197*128

Combination Switched Sockets-EU-Two Sockets

CSS21-EU	AC230V	32A	2	0	2	2	0	300*400*63
CSS22-EU	AC400V	63A	0	2	1	0	2	300*400*63
CSS23-EU	AC400V	50A	1	1	1	1	1	300*400*63

Combination Switched Sockets-EU-Three Sockets

CSS31-EU	AC230V	50A	3	0	3	3	0	400*400*63
CSS32-EU	AC400V	63A	1	2	1	1	2	400*400*63
CSS33-EU	AC400V	63A	2	1	1	2	1	400*400*63
CSS34-EU	AC400V	63A	0	3	1	0	3	400*400*63

Combination Switched Sockets-EU-Four Sockets

CSS41-EU	AC230V	63A	4	0	4	4	0	500*400*63
CSS42-EU	AC400V	63A	1	3	1	1	3	500*400*63
CSS43-EU	AC400V	63A	2	2	1	2	2	500*400*63
CSS44-EU	AC400V	63A	0	4	1	0	4	500*400*63

Combination Switched Sockets-EU-Five Sockets

CSS51-EU	AC230V	63A	5	0	5	5	0	600*400*63
CSS52-EU	AC400V	63A	3	2	1	3	2	600*400*63
CSS53-EU	AC400V	63A	2	3	1	2	3	600*400*63
CSS54-EU	AC400V	63A	4	1	1	1	4	600*400*63
CSS51Y-EU	AC230V	63A	5	0	5	5	0	400*800*63
CSS52Y-EU	AC400V	63A	3	2	1	3	2	400*800*63
CSS53Y-EU	AC400V	63A	2	3	1	2	3	400*800*63
CSS54Y-EU	AC400V	63A	4	1	1	1	4	400*800*63