

Control System

Digital, intelligent control system allows easier operation.

PLC-7320

Powerlink PLC-7320 generator controllers integrating digital, intelligent and network techniques are used for automatic control system of diesel generator. 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 generating 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, like pressure, temp.
- 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-language is available. It can be translated for only one time and imported in forever. The idiom can also be changed after translation, eg. "Failure" to be "Malfunction".

DSE-7320



- 1 Module Model Name
- 2 Menu key
- 3 City Signal Display
- 4 Manual Button
- 5 Stop / reset Button
- 6 Test Button
- 7 LCD Displayer
- 8 Load
- 9 Generator Icon
- 10 Auto Button
- 11 Start Button
- 12 Silent Alarm/Test indicator

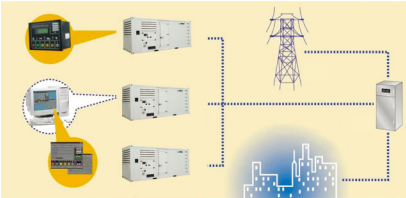
Parallel Control System-PLC7510

Description

The control can be synchronized with the mains.Link up to 16 generators.

Features

- Multiple display languages;
- Voltage measurement
- Optional power measurement function
- Optional communication ability function, synchronization detection indication function, automatic synchronization indication function.
- Inbuilt or expansion relay outputs.



Containerized C Paralleling Control System Switch Cabinet (2000A-3200A)

Silent & Paralleling Control Switch Cabinet Part No.	Paralleling Model	Current (A)	Speed type	Control Voltage	Paralleling Control (Quantity:1 unit/cabinet)		Automatic Breaker (1 unit/cabinet)			
					Supplier	Paralleling Control Model	Supplier	Breaker Model	Electro Control Mechanism Model	Under-voltage Release Model
900000072	PLK5510E-BLCK-2000	2000	E	24V	DSE	DSE5510	ABB	E282000 R2000 PR121/PU FHR NST 3P	Included	Included
900000073	PLK5510EU-BLCK-2000	2000	EFI	24V	DSE	DSE5510	ABB	E282000 R2000 PR121/PU FHR NST 3P	Included	Included
900000074	PLK5510E-BLCK-2500	2500	E	24V	DSE	DSE5510	ABB	E3N2500 R2500 PR121/PU FHR NST 3P	Included	Included
900000075	PLK5510EU-BLCK-2500	2500	EFI	24V	DSE	DSE5510	ABB	E3N2500 R2500 PR121/PU FHR NST 3P	Included	Included
900000076	PLK5510E-BLCK-3200	3200	E	24V	DSE	DSE5510	ABB	E3N3200 R3200 PR121/PU FHR NST 3P	Included	Included
900000077	PLK5510EU-BLCK-3200	3200	EFI	24V	DSE	DSE5510	ABB	E3N3200 R3200 PR121/PU FHR NST 3P	Included	Included

POWERlink
Power Systems

SPECIFICATION / ISO containerized generators



20 Feet ISO Container

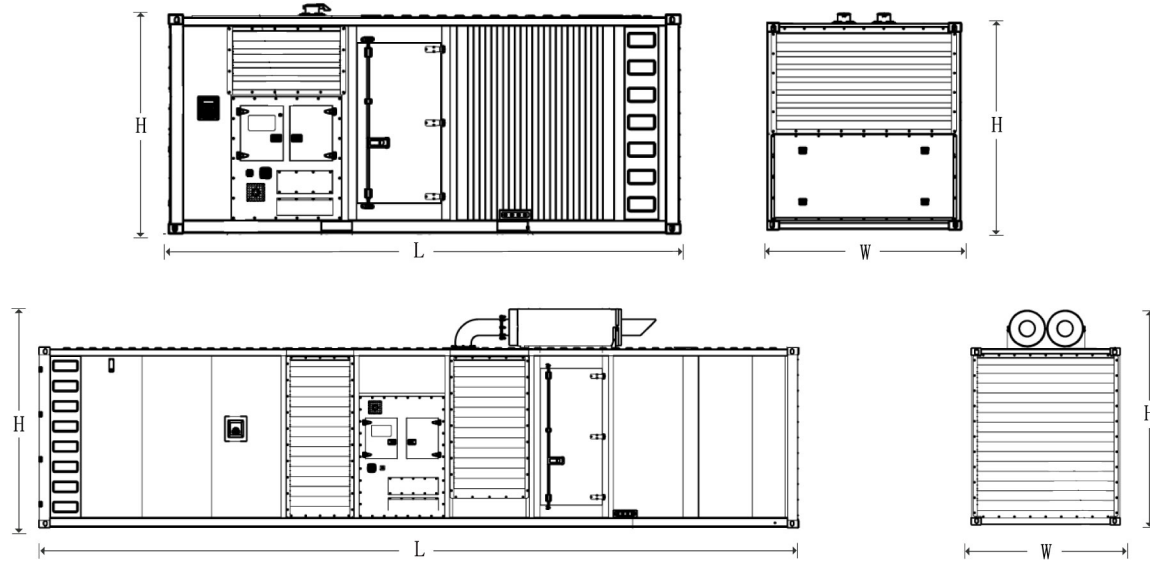
Genset type	kVA		Technical parameters				Dimension (mm)			Weight (kg)	Tank (L)
			dBA@7m	Engine Brand	Engine model	Alternator model	L	W	H		
	ESP	PRP									
WPS725S	798	725	73.5	Perkins	4006-23TAG3A	LSA49.1M6	6060	2440	2600	2300	1500
WPS800S	880	800	74	Perkins	4006-23TAG3A	LSA49.1M75	6060	2440	2600	2300	1500
WPS900S	990	900	74.8	Perkins	4008TAG2A	LSA49.1L10	6060	2440	2600	2300	1500
WPS1000S	1100	1000	75	Perkins	4008TAG2A	LSA50.2S3	6060	2440	2600	2300	1500
GMS750CS	825	750	74.3	Cummins	KTA38G2	LV1634B	6060	2440	2600	2300	1500
GMS800CS	880	800	74.7	Cummins	KTA38-G2B	LV1634C	6060	2440	2600	2300	1500
GMS900CS	990	900	75	Cummins	KTA38G2A	LV1634D	6060	2440	2600	2300	1500
GMS1000CS	1100	1000	75.3	Cummins	KTA38G5	LV1634E	6060	2440	2600	2300	1500
GMS1250CS	1375	1250	75.8	Cummins	KTA50-G3	LV1634G	6060	2440	2600	2300	1500
GMS1250CS	1250	/	76	Cummins	KTA38-G9	LV1634G	6060	2440	2600	2300	1500
GMS1400CS	1540	1400	76.4	Cummins	KTA50-G8	PI734B	6060	2440	2600	2300	1500
GMS1400CS	1540	1400	76.9	Cummins	KTA50-GS8	PI734B	6060	2440	2600	2300	1500



40 Feet ISO Container

Genset type	Technical parameters					Dimension (mm)			Weight (kg)	Tank (L)	
	kVA		dBA@7m	Engine Brand	Engine model	Alternator model	L	W			H
	ESP	PRP									
WPS1250S	1375	1250	75.6	Perkins	4012-46TWG2A	LSA50.2M6	12200	2440	2900	3900	2500
WPS1500S	1650	1500	75.8	Perkins	4012-46TAG2A	LSA50.2L8	12200	2440	2900	3900	2500

- The weight of gensets inside is not included in the weight, and they will be only for your reference but not for use of sales.
- Powerlink reserves the right to make changes in model, technical specifications, colour, equipment and accessories without prior notice.



www.powerlinkgenset.com

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ISO Containerized Generators / May. 2010, Edition 6210049

POWERlink
Power Systems

ISO Containerized Generators

725-1500 kVA

Noise Level: 73..5-75.8dBA@7m



Your Partner for Power...



Strong Power,Stable Performance

Powerful Engines

- Powered by PERKINS or CUMMINS engines, featured with high power and torque, quick start, easy maintenance and operation.

Advanced Waterproof And Dustproof Design

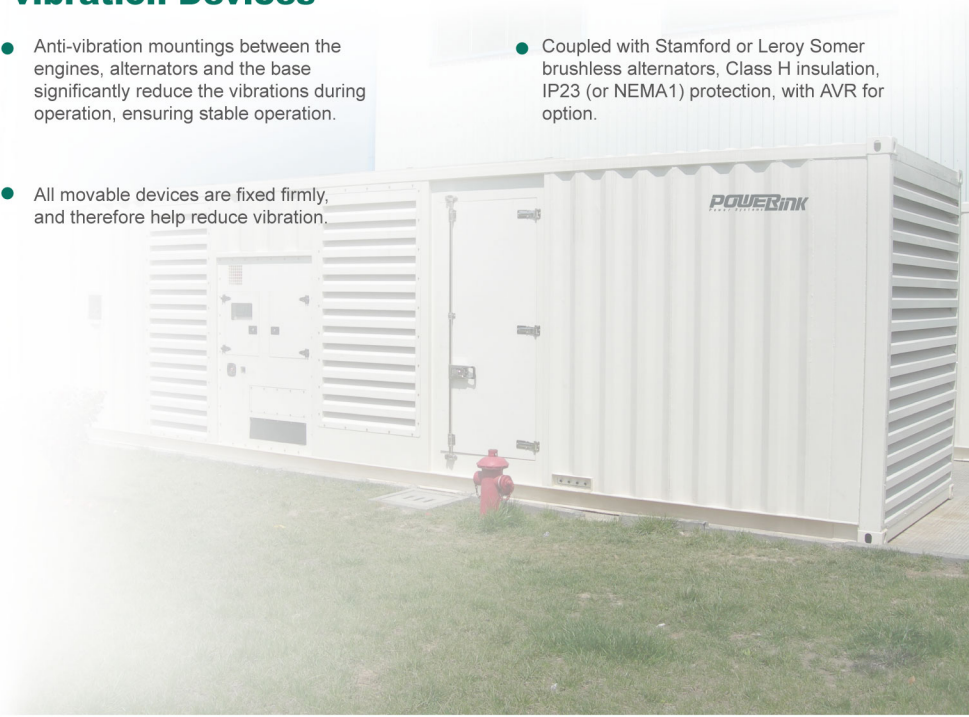
- The control panel, service doors, and canopy board adopts waterproof and dustproof design with protection as high as IP56, and effectively stops rain and dust intrusion.

Excellent Anti-vibration Devices

- Anti-vibration mountings between the engines, alternators and the base significantly reduce the vibrations during operation, ensuring stable operation.
- All movable devices are fixed firmly, and therefore help reduce vibration.

Reliable Alternators

- Coupled with Stamford or Leroy Somer brushless alternators, Class H insulation, IP23 (or NEMA1) protection, with AVR for option.



Enhanced Safety

Electric Safety

- Double protection for the output cable connection panel, lowering the chance of leakage caused by unintended touch or rain falling.



- Three-dimensional CABLING design for all the generator cables, providing reasonable, accurate and perfect protection.

- Automatic turn-on circuit breaker with undervoltage protection system inside, maximumly avoiding human misoperation.



- Conveniently automatic DC controlled refueling system for high efficiency.

- Flexible control system with automatic control module for multi-directional monitoring, meeting multilevel demands and considerate protection of or for customers.



Operation Safety

- Anti-vibration rubbers are installed in the two sides of the doors of the control system and the circuit breaker to avoid damage to the machines when open the doors.

- Specially designed holes in the base of some 20-feet sets for forklift transportation, which help avoid damages to the base when transporting.

- Alarm indicator lights are set



- Fire extinguishers are posited in the container.



- Anti-riot jacklights are set inside the container.



Environmental

Excellent Silencers

- Silencer and muffler pipe system dramatically reduce the noise during operation, and therefore cause less affect on daily life.



Fully-closed Noise Reduction

- Besides airproof rubber around the doors, the inlet and outlet are airproof treated to further lower the noise.

High Quality Sound Absorbing Material

- New type of special inflaming retardant and noise absorbing cotton on the internal walls and sound absorbing cotton and punching boards on the leaves of the shuttle doubly reduce the noise.



Automatic Fuel -adding System

- The fuel can be added automatically for avoidance of leakage and shortage of fuel, meeting European and American emission standards.



Perfect Drain System

- It is economic and environment-friendly of extraordinarily low drain even the sets are used outdoors.

Easy To Operate

Control System

- Micro-processor cored digital system.

- Multiple languages for option, automatic control.

- Be with AMF function, and can be connected with ATS.

Convenient Refueling And Watering Installations

- External fuel filling port is set.



- The gensets are equipped with 1500L fuel tank (for 20 feet container) or 2500L fuel tank (for 40 feet container), or to be designed with independent double-layer fuel tank on customers' requirements. It will be refueled automatically or manually when the level is lower than the setting, meeting European and American emission standards.



Convenient Connection

- External quick connection optional panel is helped easily realize monitor the mains, ATS transfer, remote start.

- Emergency stop provides convenient operation in emergent situation and when servicing.



Easy To Maintain

- The daily maintenance work can be performed on the two sides of the machine, and wide door allows you easily get in the machine.

- An integral waste drainage outlet located at the bottom of the machine makes easier regular maintenance.

- A ladder for climbing is equipped, making check and service easier.

Easy To Transport

- Transportation holes for forklift designed in the base of some 20-feet sets make it easy moving and helpful for rental usage.

Humanized Design

Features	Benefits
Perfect design with sound absorbing material can reduce the noise effectively.	Quiet and suitable for using at night and in the area of residences and offices which are sensitive to noise.
Clean emission, environment-friendly;	Less effect to environment even used outdoors.
Fuel can be added through the automatic system and the tank be changed if leakage occurs.	The excellent fuel tank built in compliant with European and American emission standards supports long time running, as well as avoid fuel leakage and shortage.
Well enclosed canopy, with high IP protection against rain and dust.	Attack of rain and dust is prevented even in harsh environment such as mine, desert, building site, etc.
Standard container design with special holes for forklift in the base.	Easy moving.
Exterior fuel inlet, ladder for climbing, oil outlet and drainage outlet are set.	Convenient fuel adding and maintenance.

