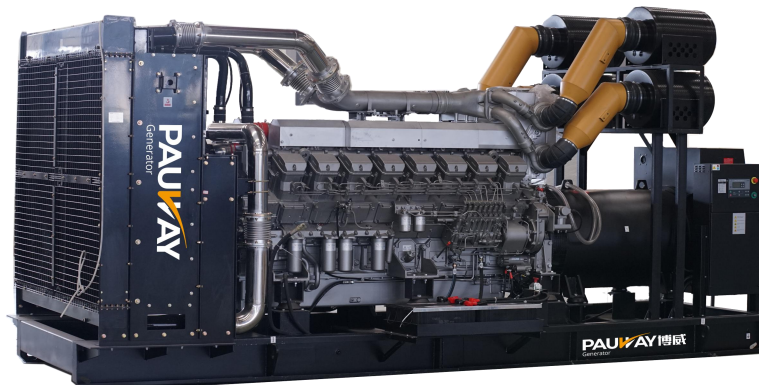


GENERATOR SET TECHNICAL SHEET

PAUWAY

Model: PWS720-60

440V | 60Hz | 1800RPM



ENGINE	MHI S6R-PTA	ALTERNATOR	LERROY-SOMER TAL A473 E
PRP PRIME POWER	520kW 650kVA	ESP STANDBY POWER	575kW 720kVA

Specifications are subject to change without notice.

GENERAL FEATURES

GB/T 2820 (ISO 8528)

- I 40°C radiator, fans are driven by belt, with safety guard
- I Alternator: single bearing, IP23, insulation class H
- I Standard control panel
- I Lead-acid batteries, rack and cables
- I Vibration damper
- I Dry type air filter, fuel filter & oil filter
- I 24V charging alternator
- I Exhaust bellows, elbows, flange & muffler
- I User manual

Standard Configuration (open type)

Overall Dimensions: 3550×1410×2150mm

Weight: 6400kg

Soundproof Type

Overall Dimensions: 5900×2060×2550mm

Weight: 9800kg

Standard 20'ft GP container

Overall Dimensions: NA

Weight: NA

OPTIONS

- | | | | |
|----------------------|------------------|-------------------------------|---------------------------------|
| ◇ Different Voltage | ◇ Charging | ◇ Cylinder Liner Water Heater | ◇ Condensate drain heater |
| ◇ Soundproof type | ◇ Rainproof type | ◇ Trailer type | ◇ Automatic transfer switch |
| ◇ Paralleling system | ◇ Switchgear | ◇ Spare parts | ◇ Auto oil replenishment system |
| ◇ Daily fuel tank | ◇ Base fuel tank | | |

WAY TO

P - Pioneering Power Solutions

A - Advanced and Assured

U - Unparalleled Versatility

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GENERATOR SET TECHNICAL SHEET



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440V | 60Hz | 1800RPM

SALES PROMISES

- All products are brand-new, with each unit subject to strict factory inspection.
- Warranty: 1 year from commissioning completion, 1,000 cumulative operating hours, or 15 months from shipment to PAUWAY Tianjin Manufacturing Base (for unused units) — whichever occurs first.
- Extended warranty: Available upon inquiry; provided by PAUWAY or its authorized agents.

GENERATOR RATINGS

Voltage V	Hz	Phase	PF ($\cos\phi$)	Standby Amps	Prime Ratings	Standby Ratings
480/277	60	3	0.8	865	520kW	575kW
440/254	60	3	0.8	943	520kW	575kW
416/240	60	3	0.8	998	520kW	575kW
380/220	60	3	0.8	1092	520kW	575kW

I High voltage (optional): 6.6kV / 13.8kV (Special voltages customizable)

GENERATING SET DATA

Voltage setting range	$\geq \pm 5\%$
Steady-state voltage deviation	$\leq \pm 1\%$
Transient voltage deviation / 100% sudden reduction	$\leq 25\%$
Transient voltage deviation / sudden increase	$\leq -20\%$
Voltage stabilization time / 100% sudden reduction (s)	≤ 6
Voltage stabilization time / sudden increase (s)	≤ 6
Frequency drop	$\leq 5\%$
Steady-state frequency drop	$\leq 1.5\%$
Transient frequency deviation / 100% sudden reduction	$\leq 12\%$
Transient frequency deviation / sudden increase	$\leq -10\%$
Frequency recovery time / 100% sudden reduction (s)	≤ 5
Frequency stabilization time / sudden increase (s)	≤ 5

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ENGINE SPECIFICATION

S6R-PTA

Manufacturer / Model	MHI/S6R-PTA
Prime Power	595kW
Standby Power	655kW
Rated speed (r/min)	1800
No.Cylinder	6
Cylinder arrangement	L
Stroke	4
Air intake system	Turbo
Governor type	Electronic
Bore and stroke	170×180mm
Displacement	24.51
Compression ratio	14.0:1

Fuel System

Fuel consumption @ 100% (Prime Power) Load	195g/kWh	121L/h
Fuel consumption @ 75% (Prime Power) Load	g/kWh	L/h
Fuel consumption @ 50% (Prime Power) Load	g/kWh	L/h

Exhaust System

Exhaust gas flow (L/S)	2167
Exhaust temperature (°C)	500
Max back pressure (kPa)	6

Air Intake System

Combustion air flow (L/S)	817
Air flow required for radiator	
Air Intake System	Air filter & exhaust turbocharging

Oil System

Oil System	Oil filter、Oil pump、Oil dipstick
Total oil capacity (L)	80
Oil consumption (g/kWh)	

Cooling System

Cooling Type	Water-cooled
Intercooling method	Air-Air
Cooling System	Thermostat、Water pump、Radiator、Intercooler
Coolant capacity(L)	50 (Only Engine)
Max water temperature (°C)	98

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ALTERNATOR SPECIFICATION

Power (kVA)	685
Power (kW)	548
Alternator Efficiency(%)	95
Number of Bearing	1
Power Factor	0.8
Protection Class	IP23
Altitude	≤1000m
Exciter Type	Brushless exciting
Insulation Class/Temperature Rise	H/H
THF	<2%

Industrial alternators meet the requirements of the relevant parts of the BS5000, VDE 0530, NEMA MG1-22, IEC34, CSA 22.2-100 and AS1359.

·Note: Generator parameters may vary depending on brand, voltage level and other factors

Control Functions

Main functions

4-line text display

Multi-language display

5 menu navigation keys

LCD alarm indication

Customizable startup screen, text and screen saver

Compatible with all expansion modules

Data logging

Built-in powerful PLC function

Emergency mode (all protections disabled)

Front panel editable parameters (with password protection)

Power-saving mode

3-phase generator detection and protection

3-phase mains detection and protection (PEC6.12 only)

ATS switch control (PEC6.12 only)

Unit current and power monitoring (kW, kvar, kVA, pf)

Mains current and power monitoring (kW, kvar, kVA, pf)

Overload protection

Overcurrent protection

Front panel manual control of circuit breaker closing/opening

Customizable fuel and start output ports for EFI engines

6 customizable output channels

4 customizable analog/digital input channels

Supports 0-10V or 4-20mA sensors

Speed detection via CAN, MPU and generator frequency

Built-in real-time clock (RTC)

Manual/automatic fuel pump control

Engine pre-heating and post-heating

Built-in powerful PLC function

Preset multiple start-stop cycles

Engine start/stop idle speed

Fuel level alarm

3 customizable maintenance reminders

Supports EFI engines, including Tier 4 engines

Parameter setting via free DSE software

IP65 protection rating for better water resistance

Can read parameters of other devices via CAN communication

Supports J1939-75 CAN communication

Shield EFI engine CAN alarms

1 set of backup protection parameters

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PAUWAY HIGHLIGHT

/// Efficiency

- Low consumption
- High reliability
- High quality power supply
- Long maintenance cycle

/// Support

- Provide global product warranty and technical

/// Standard

- The generator set is designed and manufactured in
- The engine used conforms to ISO 2008:9001 and
- The generator used conforms to NEMA MG1, EN and IEC standards

/// Rated power

- System Rating: power will vary with the change of alternator
- According to ISO 8528-5, the generator set conforms to G3
- According to ISO 8528-5, the generator set is allowed to use standby power

/// Performance assurance certification (PAC)

- Meeting ISO 8528-5 test transient response of genset
- Strong load carrying capacity at one time
- Product design, quality and performance integrity are
- All systems have been factory tested.

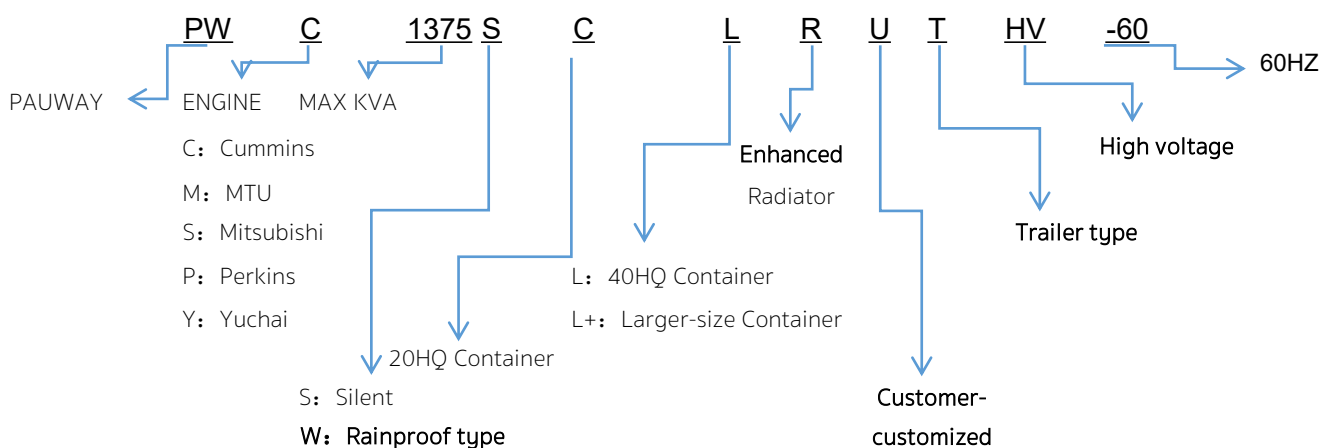
/// Provide full set of spare parts

- Control panel
- Circuit breaker/Power distribution
- Fuel system
- Exhausting system
- Fuel connection with shut-off valve mounted on base
- Starting / charging system
- Mechanical / electrical driven radiator system
- Suitable model of AC alternator

/// Certification

- CE certificate

NAMING PRINCIPLE



PAUWAY

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