



# TECHNICAL DATA MODEL: KP-LD350

DIESEL GENERATING SET

**KPS POWER VIET NAM** 



**KP-LD Series** 

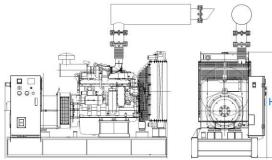
KP-LD350-SR / MLD350-OE

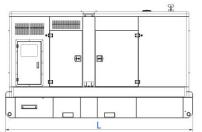


# KP-LD350-SR / KP-LD350-OE

## **Features**

- Compact structure high-strength chassis
- Easy operation and maintenance, Low cost
- Good performance damping system
- Compliance with international electrical safety standards of electrical system
- 8 hours base tank
- High-performance maintenance-free batteries with isolation switch
- 50  $^\circ\!\mathrm{C}$  radiator
- Top lifting, Forklift bottom hole design, easy to transport
- Industrial type muffler
- Noise reduction structure , Low overall noise
- Convenient power output interface and ATS Interface
- IP56 (control system)
- The personalized design for user
- Structure type genset Optional: Open (KP-LD350-OE)
- Sound-proof ( KP-LD350-SR )







CE

Dimension and Weight		
Generating set model	KP-LD350-OE	KP-LD350-SR
Length(L) (mm)	3800	4100
Width(W) (mm)	1400	1600
Height(H) (mm)	1600	2050
Dry weight (k g)	2800	3650
Tank capacity (L)	700	700

#### Reference images, the actual shall prevail





Genset Technical Data		
Output frequency	50 HZ	
Rated speed	1500 rpm	
Prime power	350KVA	
Standby power	385KVA	
Rated voltage	380/220 V	
Phase	3	
Noise dB(A) @7m	75-80	
Engine model	6MK470L	
Alternator model	KP444E	
Fuel consumption of 100% load	73.0 Litres/h	
Fuel consumption of 110% load	80.3 Litres/h	
Voltage regulation rate	≤±1%	
Random voltage variation	≤±1%	
Frequency regulation rate	≤±5%	
Random frequency variation	≤±0.5%	



<u>ISO9001:2008</u> MPMC Generating Sets











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	Optional			
Optional Alternator model	Optional Alternator brand			
	Optional Alternator model			
Exciter type	Exciter type			
Rated output prime power	Rated output prime power			











# Control System DATAKOM (Standard)

All KPS Gensets have a control cabinet (the Datakom control module D300 as standard) mounted on isolated support.

## **Main Features**

- Manual and automatic mode
- Parameter configuration via USB interface
- Remote control automatic start/shutdown
- Optional ECU control
- Optional CAN engines
- Optional speed sensor access
- Operating temperature: -30  $^\circ \mathrm{C}$  to 70  $^\circ \mathrm{C}$
- IP56 Rating
- Back-lit icon LCD display
- Power Save mode
- CAN and Magnetic Pick-up/Alt. versions available (specify on
- ordering)
- PC configurable
- 6 Digital inputs
- 4 Outputs (2 configurable on Magnetic Pick up/Alt., 4 configurable

on CAN version)

## The control module display

- Generator voltage
- Generator frequency
- Battery voltage
- Engine speed
- Load current(Panel Meter)
- Engine run-time Hours
- Engine oil pressure (Panel Meter)
- Engine coolant temperature (Panel Meter)



## **Protecting Functions**

- Over frequency / under frequency
- Over voltage / under voltage
- Over speed /under speed
- Over current
- Emergency stop
- Low oil pressure
- High water temperature
- Failure to start/Failure to stop
- Battery charger failure
- Comprehensive shutdown or warning on fault condition





E







## **Control System**

# NSM-160-7320 (Optional)

NSM-30-7320 is an advanced control module based on micro-processor, It is an Auto Mains (Utility) Failure Control Module(AMF), have been designed to start and stop generating sets that include electronic And non-electronic engines. Include the additional capability of being able to monitor a mains (utility) supply. when main is not available, It can automatically start the engine and close generating sets breaker automatically, Accurately measure various operational parameters and display all values and alarms information on the LCD. In additional, it can automatically open breaker, and shutdown the engine after the main supply recovers.

## **Main Features**

AMF and ATS and communication and expansion function

 Designed to work with electronic or non-electronic or gas engine simultaneously. (support many kinds of engines ECU).

• Manual, Automatic, Test and remote control mode selectable.

 Monitoring and measuring operational parameters of the mains supply and genset.

 Indicating operation status, fault conditions, all parameters and alarms

• Multiple protections and multiple parameters display.

 Includes 12 inputs and 8 outputs. 8 inputs are configurable and 6 outputs are configurable.

• Can be programmed using the front panel or by using the PC software.

Support twelve languages. The language was edited by customer.

 Graded protection: pre-alarm, shutdown and electrical trip, flexible setting.

 The module can be pre-set for four operating modes and protecting parameters.

 Add DSE890 module, internet network monitoring can be realized.

• The firmware can be updated automatically, so customer can have the latest version.



## The control module display

- Generator voltage
- Generator frequency
- Battery voltage
- Engine speed
- Load current
- Generator KVA, KW, PF
- Engine run-time Hours
- Engine oil pressure
- Engine coolant temperature
- Real time clock for time and date, overall runtime





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# **Optional**

# **KP-LD Series**

#### Engine

#### Alternator

- PMG excitation
- Space heater
- Winding Temperature Measuring

#### **Generator Set**

•Tools with the machine Coolant (-30°C)

#### **Control System**

- AMF function
- ATS control cabinet
- •Double-frequency and double voltage • Single phase
- ABB MCCB

#### Fuel System

- 12 / 24 hour base tank (single wall)
- Dual wall base fuel tank
- Outside fuel tank
- Automatic fuel feeding
  Fuel level indicate

#### Canopy





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## **Contact Us**

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KPS reserves the right to make changes in model, technical specification, color, configuration and accessories without prior notice. Please contact the salesman before ordering.

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