

Control Panels and Controllers For Booster Pump Systems

WPMS 2000 / 2100 / 3200 Series

Features

- ◆ Advanced individual inverter operations
- ◆ Equipped with LCD screen display which displays operational data and faulty alarms and supports multiple languages, touch-screen
- ◆ PC communication for short distance (Optional)
- ◆ Modem communication for long distance (Optional)
- ◆ Freeze Prevention (Optional)
- ◆ Pressure controlling method automatically changes if the inverter is faulty as it is equipped with strong PID functionality



WPMS 2100 / 3200



WPMS 2000

Specifications

Floating Control Inverters	Single	Multi
Input	3 Ph: 220, 415 VAC: 50/60 Hz	
Output Power	1 ~ 20 HP / 0.75 ~ 15 kW	
Pressure Transmitter	2 Wires, 4-20 mA, 0~50 kg/cm ² g	
Remote Control	RS232 / RS485, modem (optional)	
Pump Systems	For 6 pumps (Max. 4 for WPMS 2000)	

Dimensions

No. of Pumps	Power	Dimensions (mm)		
		L	B	H
1 ~ 2 pumps	1 ~ 10 HP	650	350	1100
3 pumps	7.5 ~ 10 HP	650	350	1450
4 above	15 HP onwards	Kindly confirm to us		

Functions

Sr. No.	Function	Description
1	Multi Inverter Control	Keeps constant water pressure as it uses each inverter for each pump.
2	Monitoring the operation	Easy to control the system as displaying the operation condition in letter through the 240x64 dots LCD Screen.
3	Select the operation Mode	Select the auto or Manual operation mode by the select switch.
4	Auto Re-start	Automatically re-start with the former operation data when the power returned.
5	Lead Pump Shift	Rotate the lead pump according to the set time of lead pump.
6	Faulty Pump Skip	Automatically skip a faulty pump and keep operating the system regularly.
7	Dry-running prevention	Prevent the void turning by the water shortage sensor.
8	Schedule operation	Operate the system by scheduled data (Timely, Weekly & monthly).
9	Alarm Display	Display the alarms, Over Current, Water shortage, High Pressure, Low Pressure & Transmitter Faulty.
10	Operating Data Save	Display & save the operation data & alarm list in detailed (Timely/Daily/Monthly/Yearly).
11	Emergency Operation	Half auto inverter operating if the controller & pressure transmitter.
12	Centralization Control	Transmit a signal of operating condition to the centralization control set as using the point of contact.
13	LCD Screen Saver	Automatically turn off the LCD back light after passed some period.
14	Self-diagnosis	Continuously observing the faulty & operating condition by itself.
15	MICOM included	Rapidly act the order as installed the strong 16bit CPU in the controller.
16	Night Pump Mode	Operate a pump during the night time through the half pump operating function.
17	Communication (BMS, Modem)	Installed Rs.485 (Short distance) & Modem (Long distance) all together. So, it is able to do remote control.
18	Fix Prevention	Prevent the fixing pump in case of the pump does not operate for a long period. (Able to set the times)
19	Freezing Prevention (Optional)	Automatically operate the system if pump(s) does not operate below zero temperature for 2 minutes.
20	PID Control	Rapidly keep the constant pressure by the integrated PID control.
21	User Password	Prevent to control the system by any people.

Model Ordering Code Instructions

WPMS	-	2000	-	M	-	4
↑		↑		↑		↑
Series		Type		Inverter		Pump Systems
WPMS - Control Panel		2000 - Touch-screen 2100 - LCD 3200 - LCD		M - Multi inverter S - Single Inverter		1 - 1 Pump System 2 - 2 Pump System 3 - 3 Pump System 4 - 4 Pump System 5 - 5 Pump System 6 - 6 Pump System

WATER MANAGEMENT SYSTEMS

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Control Panels and Controllers For Booster Pump Systems

WPMS 3000 - Inverter Control Panel

Functions and Features

- ◆ Dual run modes: Auto and manual
- ◆ Automatic system restart after power failure
- ◆ Fault detection (Inverter, over current, water shortage, pressure)
- ◆ Pump protection from low temperatures (Optional)
- ◆ Automatic lead pump shift
- ◆ Pump dry running prevention
- ◆ Display is FND type
- ◆ Operates 4 pumps in combination by a powerful PID control



WPMS 3000

Specifications

Floating Control Inverters	Single	Multi
Input	1 Ph: 220; 3 Ph: 220, 415 VAC: 50/60 Hz	
Output Power	1 ~ 5 HP / 0.75 ~ 3.7 kW	
Pressure Transmitter	2 Wires, 4-20 mA, 0~25 kg/cm ² g	

Dimensions

No. of Pumps	Power	Dimensions (mm)		
		L	B	H
1 pump	1 ~ 5 HP	350	250	600
2 pumps	1 ~ 5 HP	350	250	600

WPMS 4000 - Step Control Panel

Functions and Features

- ◆ Dual run modes: Auto and manual
- ◆ Automatic system restart after power failure
- ◆ Fault detection (Over current, water shortage)
- ◆ Pump protection from low temperatures (Optional)
- ◆ Automatic lead pump shift
- ◆ Pump dry running prevention
- ◆ Automatic skipping of failed pumps
- ◆ Operates 4 pumps in combination



WPMS 4000

Specifications

Panel Type	Step Control Panel
Input	1 Ph: 220; 3 Ph: 220, 415 VAC: 50/60 Hz
Output Power	1 ~ 15 HP, 20 ~ 30 HP (Y -)
Pressure Contact Switch	10 kg/cm ² g, 20 kg/cm ² g

Dimensions

No. of Pumps	Power	Dimensions (mm)		
		L	B	H
1 ~ 3 pumps	1 ~ 15 HP	450	200	550
1 ~ 3 pumps	20 ~ 30 HP	550	250	650

BPCN 2000 / 2100 Series - Controllers

Functions and Features

- ◆ Touch-screen, LCD display supports multiple languages
- ◆ Equipped with strong PID functionality
- ◆ Minimizes pressure differences while operating alternative pumps

Specifications

Model	Inverter Type	Display	Control Unit	
			VFD	Pump
BPCN 2000S	Single	Touch-screen	1	6
BPCN 2000M	Multiple	Touch-screen	1	6
BPCN 2100M	Multiple	LCD	1 ~ 4	1 ~ 4



BPCN 2000 Touch-screen



BPCN 2100 LCD Display

Model Ordering Code Instructions

WPMS	-	2000	-	M	-	4
┆		┆		┆		┆
Series		Type		Inverter		Pump Systems
WPMS - Control Panel		2000 - Touch-screen		M - Multi inverter		1 - 1 Pump System
BPCN - Controller		2100 - LCD		S - Single Inverter		2 - 2 Pump System
		3200 - LCD				3 - 3 Pump System
		3000 - LCD				4 - 4 Pump System
		4000 - Step Control				5 - 5 Pump System
						6 - 6 Pump System

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CATALOGUE CONTROL PANELS AND CONTROLLERS - WPMS-BPCN