



# **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

- Pressure controlling method automatically changes if the inverter is

### and faulty alarms and supports multiple languages, touch-screen PC communication for short distance (Optional) Modem communication for long distance (Optional) Freeze Prevention (Optional) 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/cm²g		
Remote Control	RS232 / RS485, modem (optional)		
Pump Systems	For 6 number / May 4 for WDMC 2000		

### **Dimensions**

No. of Domestic	_	Dimensions (mm)		
No. of Pumps	Power	L	В	Н
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 - Control Panel 2000 - Touch-screen 8 - M - Multi inverter 2100 - LCD M - Single Inverter 5 - Single Inverter 3200 - LCD

1 - 1 Pump System 2 - 2 Pump System 3 - 3 Pump System 4 - 4 Pump System 5 - 5 Pump System 6 - 6 Pump System

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## 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

### pecifications

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 m.	A, 0~25 kg/cm²g	

**WPMS 3000** 

#### Dimensions

No. of Pumps	Power	Dimensions		mm)	
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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 <sup>2</sup> g, 20 kg/cm <sup>2</sup> g		

#### **Dimensions**

No. of Pumps	Power	Dimensions (mm)		
		L	В	Н
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

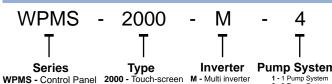
Model	Invertor Type	Display -	Contro	ol Unit
Model	Inverter Type		VFD	Pump
BPCN 2000S	Single	Touch-screen	1	6
BPCN 2000M	Multiple	Touch-screen	1	6
BPCN 2100M	Multiple	LCD	1 ~ 4	1 ~ 4

**BPCN 2000** 



**BPCN 2100 LCD** Display

### **Model Ordering Code Instructions**



**BPCN** - Controller

2100 - LCD 3200 - LCD 3000 - LCD 4000 - Step Control S - Single Inverter

### **Pump Systems**

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