



PWPS-II™
PLANET-WIDE PUMP STARTER

Your smart farming partner...



Single / Three
Phase Operation



90-515VAC Operation
650V Surge Protection



Indian Language
Interactive Voice calling



Smart Configurable
Irrigation Timer



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Monitoring the availability of electrical power for irrigation purposes is a major concern for farmers, as it directly impacts the proper monitoring and irrigation of crops.

In most regions of India, irrigation power is only available for 6-8 hours per day and is entirely dependent on the electric supply companies to determine when it will be accessible to farmers.

As a result, farmers either use Auto Starters or rely on additional manpower. However, both approaches can lead to either over-irrigation or under-irrigation of crops.

PWPS-II (Planet Wide Pump Starter) is the perfect solution to this problem. It not only keeps track of the power availability but also calls pre-set phone numbers one by one to let users know if there is power. Users can simply press 1 or 2 on the phone's keypad to turn the pump on or off.

This device has user-friendly features that make it easy to use. Here are the key benefits it offers:

- ↪ Voice calls in local Indian languages.
- ↪ Option for 1-phase or 3-phase operation.
- ↪ Built-in battery backup that lasts up to 10 hours*.
- ↪ Automatic cut-off to prevent single-phasing and protect the pump.
- ↪ Built-in irrigation timer that can be set for up to 6 hours.
- ↪ Storage for up to 10 phone numbers to receive alerts and for system operation.
- ↪ Optional float switch for cases where a reservoir tank is used for irrigation.
- ↪ Automatic call back in case of power supply failure.
- ↪ Resumption of operations after power restoration.
- ↪ Detection of single-phasing issues.
- ↪ Timer timeout to control the duration of irrigation.
- ↪ Completion notification for reservoir pumping operation.

*Maximum backup time - varies with network signal strength and operating band.

PWPS-II TECHNICAL SPECIFICATIONS

Operating Voltage	:	90-515VAC Single or Three Phase
Current Consumption	:	150mA standby mode, 1A transmission mode, 650mA Battery charging mode.
Operating Environment	:	-40 to +85 degree centigrades, Relative humidity - 80% max
Ingress Protection	:	IP-65, Water Splash and Dust Proof.
GSM Specifications	:	Quad band operation 850/900/1800/1900MHz
SIM Specifications	:	1.8V/3.3V automatic voltage selection nano SIM card
Electrical Protection	:	Upto 650VAC high voltage current and surge protection, Single phasing pump protection
Inputs & Outputs	:	1 x single / 3phase power input, 2 x relay outputs for pump start and stop, 1 x float switch input (float switch not included)
Battery & Charger	:	Built in 1000mAH Li-Ion battery and automatic charger, approx backup 6 - 10 hours*
Phone Numbers Storage	:	Up to 10 phone numbers for operation and alerts
System Alerts	:	Power fail, power resume, single phasing, reservoir fill, and timer timeout voice alerts
Voice Language Support	:	Single voice language available in - English, Hindi, Punjabi, Marathi, Gujarati, Kannada, Konkani, Tamil, Telugu & Malayalam.



PWPS-II™
PLANET-WIDE PUMP STARTER

Designed & Manufactured By:



SPAUTO(INDIA)

harness the power of connectivity

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