

# TECHNICAL SPECIFICATIONS

|                                                                                    |                                       |
|------------------------------------------------------------------------------------|---------------------------------------|
| MODEL                                                                              | Petrol Pump Inverter                  |
| CAPACITY                                                                           | SPD - SKWp                            |
| <b>VOLTAGE RANGE NARROW WINDOW-UPS MODE (185-265V + 10V)</b>                       |                                       |
| Mains AC Low Cut                                                                   | 185 ± 10V                             |
| Mains AC Low Cut Recovery                                                          | 190 ± 10V                             |
| Mains AC High Cut                                                                  | 265 ± 10V                             |
| Mains AC High Cut Recovery                                                         | 260 ± 10V                             |
| <b>VOLTAGE RANGE NARROW WINDOW-UPS MODE (105-285V + 10V)</b>                       |                                       |
| Mains AC Low Cut                                                                   | 105 ± 10V                             |
| Mains AC Low Cut Recovery                                                          | 120 ± 10V                             |
| Mains AC High Cut                                                                  | 285 ± 10V                             |
| Mains AC High Cut Recovery                                                         | 275 ± 10V                             |
| <b>OUTPUT PARAMETER</b>                                                            |                                       |
| Mains Output Frequency                                                             | Same as Input (45Hz - 55Hz)           |
| Output Frequency                                                                   | 50.0Hz ± 0.1Hz                        |
| Output Voltage with Full Load                                                      | 205V-230V ± 25V                       |
| Overload                                                                           | Above 110%                            |
| Short Circuit Protection                                                           | >250% Load (Few msec)                 |
| <b>BATTERY CHARGING</b>                                                            |                                       |
| FLC based SCR charging with Soft Start over full range of mains 140V to 285V ± 10V |                                       |
| Charging Current                                                                   | 9.0 ± 1.0Amp, 13 ± 1.0Amp for HC mode |
| Charging Boost Voltage                                                             | 13.9V ± 0.2V each Battery             |
| Charging Float Voltage                                                             | 13.6V ± 0.2V each Battery             |
| Recommended Battery Capacity                                                       | 70AH-200AH                            |

The product comes as a package with SMF Batteries, Stackable Trolleys and is equipped with in-built battery equalizer for enhanced battery life.



## Battery Equalizer

Petrol Pump Inverter has an in-built battery equalizer. This equalizer enhances your battery bank life & hence saves you money by delaying the changing of your batteries. Also you get optimum life from your batteries.



## SMF BATTERY

Su-Kam recommends Sealed Maintenance Free batteries. The safer alternative to the lead acid batteries as these do not emit harmful lead fumes. They do not require water topping either. Since they are maintenance free, you don't waste precious time to keep them in top condition.

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## Su-Kam Power Systems Ltd.

Corporate Office: Plot No. 54, Udyog Vihar, Phase VI, Sector-37, Gurgaon -122001, Haryana, India  
Tel: +91-124-4030700, 4170500, Fax: +91-124-4038700/1/2  
E-mail: info@su-kam.com Website : www.su-kam.com

Customer Care : 011-44231111

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Minimize RUNNING COST  
Minimize MAINTENANCE COST

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In today's competitive environment, businesses are becoming increasingly dependent on technology, making it imperative for you to be in tune with latest at all times. Given this, how do you ensure that your petrol pump runs unabatedly all the time even in case of power outage. Su-Kam brings the solution in the form of its Petrol Pump Inverters – Customized to cater need of the petrol pump community. It has been designed in consultation with people managing Petrol Pumps and after years of intensive R&D. Now you have an economical solution at hand. What's more – Even when you are not at your Petrol Pump, you can remotely control it.

## PETROL PUMP INVERTER



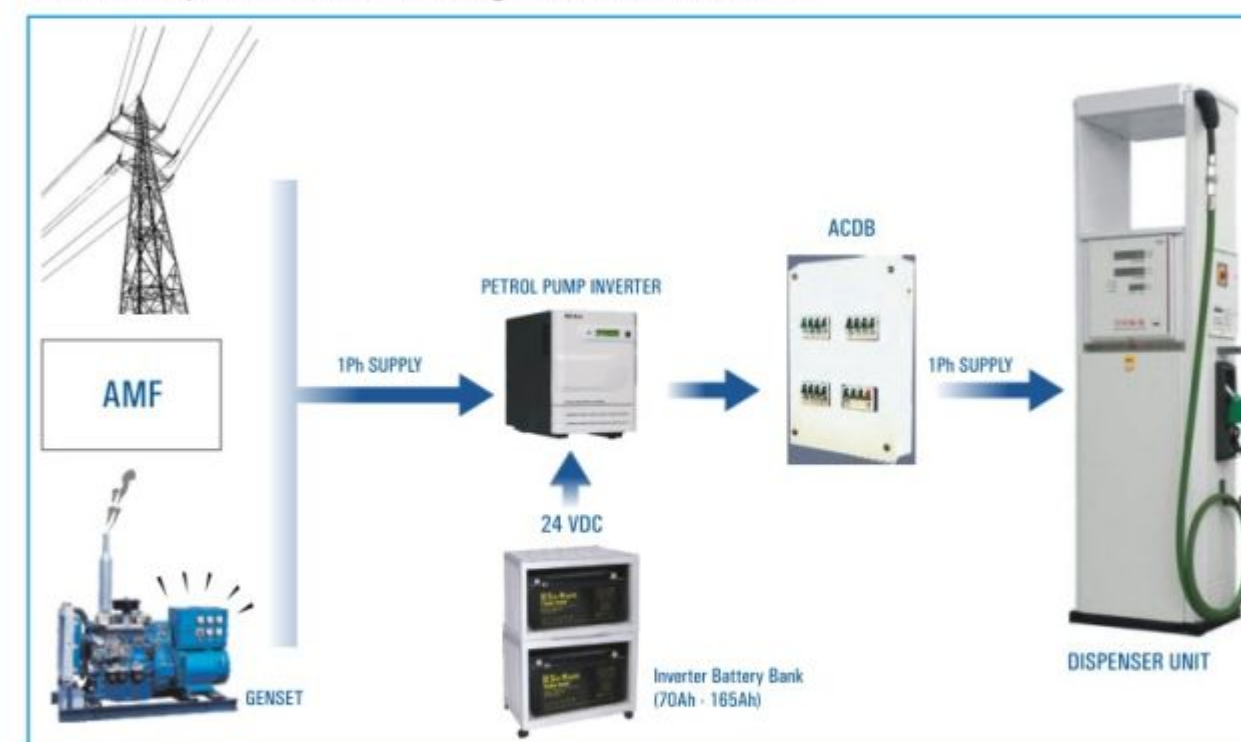
Fuel Pumps



Supported Dispenser Units

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### Petrol Pump Inverter with Existing Diesel Generator Set



When the DG is on, full load of generator is being used and power is wasted. Petrol pump inverter can be charged using this electricity which otherwise goes waste. Hence reducing the running cost.

### Petrol Pump Inverter Monitoring Software



Petrol Pump Inverter comes with a Monitoring software that gives you freedom & luxury to monitor your Station even when you are not physically present.

#### Software Benefits

|                                                                                                           |                                      |
|-----------------------------------------------------------------------------------------------------------|--------------------------------------|
| Remote Graphical Monitoring of the Petrol Pump Station i.e. Pump dispensing fuel, Battery Charging Status | Tank Fuel level Indicator.           |
| Log of Power Outage data.                                                                                 | Alarm notification via E-mail & SMS. |

### Guaranteed Back-up time

| Petrol Pump Inverter with two Batteries | Back-up time*        |
|-----------------------------------------|----------------------|
| 70AH batteries                          | 2 1/2 to 3 1/2 hours |
| 100AH batteries                         | 4 to 5 hours         |
| 135AH batteries                         | 5 to 6 hours         |
| 165AH batteries                         | 6 to 8 hours         |

\* Note: Assuming Traffic at petrol pump: One 2-wheeler customer every 1 min or one 4-wheeler customer every 3 minutes. Petrol Pump is dispensing at the rate of 40-50 LPM.