

Range

- Single Phase : 5 to 45 KVA & Multiples
- Three Phase : 5 to 150 KVA & Multiples

Specifications

	Coil Based		Servo Motor Based	
	Single Phase	Three Phase	Single Phase	Three Phase
Input Voltage Range	210 V to 275 V	360 V to 470 V	210 V to 280 V	360 V to 470 V
	* Optional : Works as a stabilizers from 140 /170 V onwards			
Output Voltage Range	Set Value +/- 1%		Set Value +/- 1%	
Input Power Factor Range	0.3 lag to 0.3 Leading			
Out Power Factor Range	0.99 to Unity			
Operating frequency Range	47 Hz to 53 Hz			
Overload Capacity	150% for 1 Minute, 125 % for 10 Minute & 105% continuous			
Waveform Distortion	< 1%			
Output waveform	True reproduction of input waveform (*Option Harmonic filters)			
Insulation	Class F			
Short Circuit rated & Percentage	300% for 250ms Sec			
Temperature Range	0° C to 50° C (* Optional : Extended range)			
Construction	16 SWG MS Conforming to IP 20			
Thermal Management	Natural / Forced Air / Oil Cooled			
Operation modes	Natural / Automatic (Optional)			
Digital Display	Voltage, Current, Wafage, Wat hour, Voltage Ampere, Power Factor (Phase wise)			
Audio Visual Indicators	Input ON, Output ON			
Protections	<ul style="list-style-type: none"> Input MCCB Output HRC Fuse 			
Audio Visual Indications (Optional)	<ul style="list-style-type: none"> Under Voltage cut-off Over Voltage cut-off Over Load cut-off/By Pass Server ON Bypass ON 			
Protections (Optional)	<ul style="list-style-type: none"> Under Voltage cut-off Over Voltage cut-off Over Load cut-off/By Pass Lighting & surge 			
Additional Features (Optional)	<ul style="list-style-type: none"> Harmonics Filters Data Loggers Power Analyzers Maximum Demand Controller Timer controller Application specific sensors Custom designs Outdoor models 			

Note : In view of constant up gradation of our products, the specifications are subject to change without prior notice.

Power Saver

True Value for your money



HBL Power Systems Limited

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About us

HBL Power Systems Ltd is the pioneer in the Design, Development and Manufacture of specialized batteries and DC systems in India. With over 3 decades of experience in this field, the company offers the widest range of batteries & Electronics in the world, providing custom built solutions to meet critical requirements.

The company has fully integrated modern factories and is supported by strong process management and quality control systems. The company's claim of being a quality conscious supplier is strengthened by the ISO certification. Its efforts to maintain a clean environment and provide safe working conditions for its employees have earned it the ISO 14001 & BS OHSAS 18001 certification.

We are committed to energy conservation, environmental protection and are conscious of the social responsibility.

Energy Scenario, Climatic Change, Energy Conservation

Today 85% of primary energy comes from non-renewable and fossil sources (coal, natural gas, oil etc). 69% of these fossil fuels, which have taken millions of years to form and have been consumed in the last 200 years. At the current rate of consumption all the existing reserves of fossil fuels will deplete very soon and the future remains bleak.

In considering the efficiency of the power generation, transmission & distribution, one unit of electrical energy conserved is equal to conservation of 3 units of primary energy used to produce it.

Combustion of fossil fuels is increasing the Green House gases at an alarming rate, which in turn is causing the climatic change that threatens the Sustainable Development and the mankind at large.

Energy efficiency is achieved when energy intensity in a specific product process or area of production or consumption is reduced without affecting output or comfort levels.

Increased promotion of energy efficiency will contribute to energy conservation and sustainable development and hence is our responsibility. HBL Power systems Limited is proud to be a link in such Energy Conservation efforts.



DEPLETING RESOURCES



**SAVE THE EARTH FROM
GLOBAL WARMING**

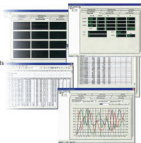
Operation Principle

Our Power Saver is an integrated system equipped with a micro controller based regulator which monitors Voltage, Current, Power Factor and Current threshold. Introduces low-loss impedance path between the source and the load which causes maximum power transfer in the circuit that results in substantial saving in power consumption upto 30%.

Features

- Micro Controller based technology
- Efficiency > 99%
- On load manual bypass switch
- Custom-built
- MTBF > 1,00,000 Hrs.
- Low MTTR
- Rugged construction meeting industrial standards
- Good thermal management
- Ultra-low maintenance.
- Life of over 15 years
- Available in indoor and outdoor models
- Tap changing switches in coil based systems
- Data logging with RS 232 remote monitoring
- Power Analyser software

Data Logger Power Analyser



Benefits

- Reduction in power consumption (KWH); Immediate Cash Savings
- Improvement in power factor; Incentives from Electricity Board
- Reduction in maximum demand; More Power Available & Lower capital costs
- Increase in the life of the equipment; Lower Maintenance & replacement costs
- Reduced Power generation; Low Green House gas emission & Clean environment Scope for carbon Credits
- 80% value depreciable in the first year under 80A Indian Income Tax Rules; Tax savings



Credentials



An ISO 9001:2008 Company