

Unique Features

Fully Automatic

The Servel Power Back-up (inverter) automatically & instantly provides power in case of Blackouts (mains failure) and Brownouts (low mains voltages). Normal operation is automatically restored on return of proper mains power.

Noiseless

Completely silent operation, unlike the petrol / diesel generator set.

Heavy Duty Charger

Maintains full charge on batteries while mains power is present. Optimum charging rate is provided to ensure that batteries are quickly recharged for reuse and long battery life.

Protection against High Voltage

The Servel Power Back-up cuts-off the mains supply whenever it exceeds safe limits and switches on the inverter to protect your costly appliances.

Back-up Time

3 hours on full load with fully charged (2 x 12 V, 88 Ah) batteries. The back-up time would considerably increase with less than full load.

Over-load / Short-circuit Protection

The built-in electronic circuitry automatically senses over-load / short-circuit at the output and trips. The Servel Power Back-up resets automatically on normal load.

Protection against Over-charging

To ensure long trouble-free life, batteries are protected from over charging.

Audible Warning

For reverse battery connections.

**Modular construction for ease of
maintenance.**

Ergonomically designed.



**SERVEL
POWER
BACK-UP**

STATE - OF - THE - ART INVERTERS

for

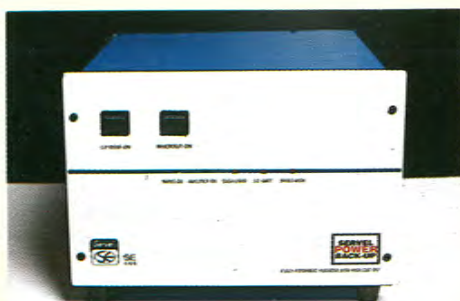
PEACE OF MIND

SERVEL ELECTRONIC GROUP

The Servel Electronic Group: A name you can trust !

It was in 1975 that a group of engineers set out to chart their destinies in the Industrial sector with a firm commitment to product & service excellence.

Today this Servel Electronic Group has a large pool of trained & highly skilled technical personnel and a well established after-sales network throughout India. The group is engaged in design, development & manufacture of sophisticated electronic equipment and special transformers for consumer, computer and telecom applications specially hi-tech custom-built for Defence and Industry. Apart from the strategic defence sector, Servel's clientele includes premier multinational institutions, Embassies, Hospitals, Colour-Picture-Tube manufacturing companies and the like.



There's something terribly upsetting about a power-cut. It throws life out-of-gear and reduces you to a passive victim of circumstances.

Not any more - with SERVEL POWER BACK-UP - a state of the art Inverter. You can assume immediate control of your plans, your actions, your home, your office and most importantly, your life. It helps liberate you from the anxieties of sudden power-cuts and ensures total PEACE OF MIND.

How exactly can the SERVEL POWER BACK-UP help you ?

It helps you in three ways (a) It would supply power instantly & automatically on mains failure. (b) It would protect your costly appliances, if connected to it, from dangerously high voltages as well as low voltages. (c) It would keep your homes / office clean & quiet, free from noise & petrol / diesel fumes and other dangerous pollutants associated with petrol / diesel generators.








How much power can it generate ?

The power back-up is available in various power ratings. It can generate enough power to typically run various combinations of Fan(s), Light(s), VCR, Music system, Television, Fax, EPABX and other vital equipment your home, office, shop have.

How safe will your appliances be against voltage fluctuations ?

Very very safe. Servel Power Back-up automatically changes-over to Back-up mode when input mains voltage exceeds 270 V and switches back to mains only after the voltage has dipped to safe levels. It also changes over to back-up mode whenever mains voltage goes below 170 V. Normal functioning is automatically resumed on mains voltage again reaching safe limits.

Power Ratings of Various Appliances

Appliance	Approx. VA Rating
Tube Light 	50 VA
Fan 	80 VA
Colour TV 	100 VA
VCR 	40 VA
EPABX 	20 VA
Fax 	50 VA
Personal Computer 	200 VA

Is recharging a problem ?

Not at all ! Because the Inverter Batteries charge automatically when it is receiving power from mains supply. Servel Power Back-up has been specially designed with a heavy-duty charger to minimize the charging time. The charging current is not permitted to cross the maximum safe limit to protect your batteries.

Is it safe?

The Servel Power Back-up is the cleanest, quietest and safest Inverter you'll ever find. They can be operated indoors without any of the hazards normally associated with gas and petrol fumes. The design incorporates many more value-based features to make Servel Power Back-up Inverter one of the most rugged, reliable & sought-after system.

How long will my Batteries last?

With proper care, the batteries would normally last much more than the warranty given by the battery manufacturer. Few simple precautions such as cleaned & greased terminals, regular topping-up of the batteries with distilled water would further enhance battery life.

How easy it is to install!

A step by step installation & commissioning procedure is part of your operating hand-book. Installation assistance would be available also from our highly trained technicians.

Technical Specifications

Mains Supply	: 175 V - 260 V, 50 Hz
Battery Voltage	: 24 V DC nominal 19-28 V DC operational
Battery Type	: 12 V, 88 Ah, two numbers
Charging Current	: 9 Amps (nominal)
Output - Mains	: 175 V - 260 V, 50 Hz
- Battery	: 220 V ± 5%, 50 Hz on fully charged batteries.
Recommended Load	: 500 VA (Max)
Back-up Time	: 3 hrs. on full load with fully charged batteries
Change-over to Back-up Mode	: Automatic on (a) Mains failure (b) Mains below 170 V (c) Mains over 270 V
Indicators	: Mains On : Inverter On : Over load / short circuit : Battery low : Mains high
Alarm	: Audible alarm for battery reverse connections
Protections	: Over-load / short circuit : Mains fuse : Reverse polarity : Battery over current (MCB)
Dimensions (approx.)	: 285 mm (w) x 210 mm (H) x 395 mm (D)
Weight	: 17 Kg approx.
Environment	
Temp.	: - 10 deg. C to 45 deg. C
Humidity	: 95% RH (maximum)
Cooling	: Natural air

Note : Due to continuous innovation and upgradation of the product, the specifications may undergo change without notice.



Serving through excellence!

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