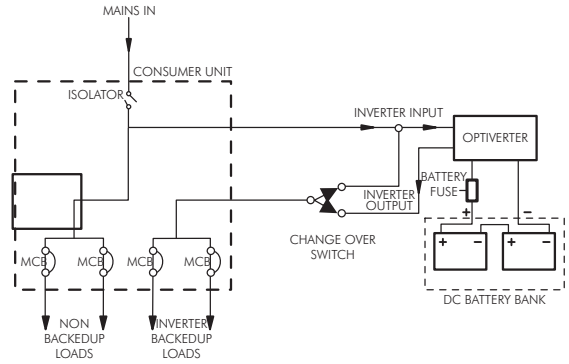
Power Back-Up Systems



Dayliff Power Backup Systems are specifically designed for small domestic and commercial applications to provide standby power in the event of mains power supply failure. They can be used as an alternative to a generator and have many advantages including:-

- Instantaneous and automatic changeover when the mains power fails which is especially beneficial when used with electronic equipment such as computers and TV's.
- Totally silent and non polluting operation which particularly suits enclosed space applications.
- Very low running costs - just the power to charge a battery.

During normal power conditions the inverter maintains the batteries at full charge while during a power failure the DC battery energy is seamlessly converted to AC power and fed to the supply circuits. Systems include two principal components, a reliable and efficient Dayliff Optiverter, a DC/AC power inverter with built in battery charger and a battery bank.

Optiverters inverter systems feature large reliable transformers with precision Pure Sine Wave output and full function LCD status displays monitoring various operating parameters. Sizes are available from 1200W to 30,000W output.

The endurance of a power backup system is determined by battery capacity, Dayliff systems being offered with a selection of capacities depending upon backup time required. Batteries supplied are of the deep-cycle long life type and the inverters provide automatic regulation to prevent over-charge and over-discharge. Systems are also provided complete with connecting cabling between the inverter and battery pack and expert selection advice is available to assist with sizing and installation.

The components of all Dayliff Backup Systems are carefully matched in terms of quality and performance and they provide a reliable, effective and economic solution to all small scale mains standby power requirements.

INSTALLATION

Dayliff Power Backup Systems should be installed between the main electricity meter and the distribution board as indicted in the wiring diagram. It is important to separate the installed loads so the back up system is not connected to high consumption appliances like cookers, water heaters, washing machines, pumps etc. This may require some re-wiring of the distribution board and it is recommended that a qualified electrician is consulted.

Note that the indicated backup times are approximate and based upon the loads indicated. They are entirely dependant upon the loads applied and will vary accordingly.

SYSTEM SPECIFICATIONS

OPTI Inverter/Charger				Battery Bank		Back-up Time (hrs)	Typical Application	
Model	Output	Max AC Charging Amps	DC Voltage	Capacity (AH)	Config-uration		Home	Office
OPTIVERTER DO1200	1200W	60A	12V	200	1x200AH	4	TV, 8 Lights (energy saving)	2PCs, 4 laptops, Wifi, 6 Lights (energy saving)
				300	2 x150AH	6		
OPTIVERTER DO2500	2500W	60A	24V	200	2 x100AH	2	TV, Small Fridge 8 Lights	3PCs, 6 laptops, Wifi, 6 Lights
				400	2 x200AH	4		
				600	4 x150AH	6		
OPTIVERTER DO3000	3000W	80A	24V	300	2 x150AH	2	TV, Fridge, 20 Lights	5PCs, 10 laptops, Wifi, 6 Lights
				600	4 x150AH	4		
				900	6 x150AH	6		
OPTIVERTER DO4000	4000W	120A	24V	400	4 x100AH	2	TV, Fridge, Micro-wave, 20 Lights	5PCs, 10 laptops, Wifi, Copier, Lights
				800	4 x 200AH	4		
				1200	8 x150AH	6		
OPTIVERTER DO6000	6000W	120A	48V	600	4 x150AH	2	TV, Fridge, Microwave, PC, 30 Lights	8PCs, 16 laptops, Wifi, Copier, Lights
				1200	6 x200AH	4		
OPTIVERTER DO8000	8000W	120A	48V	800	4 x200AH	2		12PCs, 24 laptops, Wifi, Copier, Lights
				1600	8 x200AH	4		