



Alternative Energy Supply Packages

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Introduction

Where the GSM communicator or just the datalogger are located in areas without mains electricity supplies e-RPM can facilitate alternative power supplies.

The simplest option is to have a battery, which must be periodically replaced and recharged.

The equipment may be configured to operate in a low power consumption mode to extend the battery life to more than one month.

In cases where there is analogue sensory equipment in addition to the basic datalogger, it is advisable to provide additional power from either a solar generator or a wind-powered generator.

Powersave Battery

A 10 Ah sealed lead acid battery is provided in an IP55 enclosure with regulated power charging unit.

An additional battery is provided to maintain a unit for changeover.

The datalogger and the GSM communicator have a permanent Lithium ion battery for system backup during changeover

Solar Charger

A pole mounted solar panel with 2 amp output at 12 volts is provided in addition to the power save battery.

The Sealed solar panel has an internal regulator. This unit is suitable for the datalogger and GSM communicator with up to three e-RPM analogue transmitters.

Wind and Solar Charger

A pole mounted wind charger 300 watt output at 19 knots wind speed plus a solar charger with 5 amp output are provided with a 60Ah battery. This will support 6 transmitter/analysers plus controlled equipment such as solenoids and display meters.

