DAVIS AND SHIRTLIFF FOCUS ON RENEWABLE ENERGY PRODUCTS

Davis & Shirtliff Solar division was established in 2003 after being appointed the regional distributor for large multinational manufacturer of Photo Voltaic (PV) solar modules. The division has experienced tremendous growth and is now a well-established as the major regional player in the solar industry. Though great emphasis has been assigned to water pumping applications, D&S Solar is also involved in other facets of solar which include;

Solar Hot Water Heaters are increasingly becoming popular items in both residential houses and hotels as their considerable benefits become more widely recognised. Davis & Shirtliff, East Africa's leading water equipment specialist identified this potential and set up a project to develop a unit particularly suited to the local market. The result is the Dayliff SWD range which was launched in 2007 and already sales have exceeded expectations. Tank sizes of 160 litres, 220 litres and 320 litres are available and all are fitted with 3kW heaters to boost temperature on cold days.

Standard tanks are of direct design with the option of indirect heating is also available for highly mineralised water. Both the tanks and collectors are mounted together on a frame and the units are also completely plumbed including pressure release valves and priming cocks so installation couldn't be simpler requiring only inlet and outlet connections. The principal benefits are durable, efficient and economical power consumption as water heating is generally the largest element of domestic demand and with electricity's ever rising cost, considerable savings can result.

Dayliff Solar Modules – a wide range of crystalline Photo Voltaic Solar Modules are available in various sizes from 15W to 150W. Modules are sourced from Solar World, one of the world's leading manufacturers and Yingli, a globally certified manufacturer. All are quality products available at surprisingly competitive prices to provide reliable and economical solutions for all solar energy applications. The features include;

- High efficiency crystalline solar cells with 15% energy conversion rates to provide maximum power even under weak light.
- 25 year power output warranty.
- High transmission rate tempered glass with an anti-reflection coating to increase the power output and mechanical strength.
- Strong aluminium frame with 6 holes for easy installations.
- Multi function water proof junction box for easy connection.

Dayliff Solar Lighting Systems are specially designed for both residential and institutional applications and comprise quality Sundaya DC light options together with efficient 'Apple' charge controllers, batteries, PV modules and cabling. Various sizes are available , the carefully matched quality components providing effective, reliable and economical solutions for all off-grid lighting requirements.

Power Pumps – Solar energy is a natural way to power pumps, the combination of Davis & Shirtliff's vast pumping experience, its solar expertise and quality Grundfos and SHurflo pumps creating effective and economic solutions for all solar pumping requirements.

Dayliff Power Backup Systems are the ideal way to ensure continuous power as an alternative to noisy costly generators. The combination of efficient Tripplite Inverters

available in sizes from 750W to 6000W and reliable Gaston sealed batteries ensure instant standby power when mains failure occurs to both home and office applications.

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.

July 2008