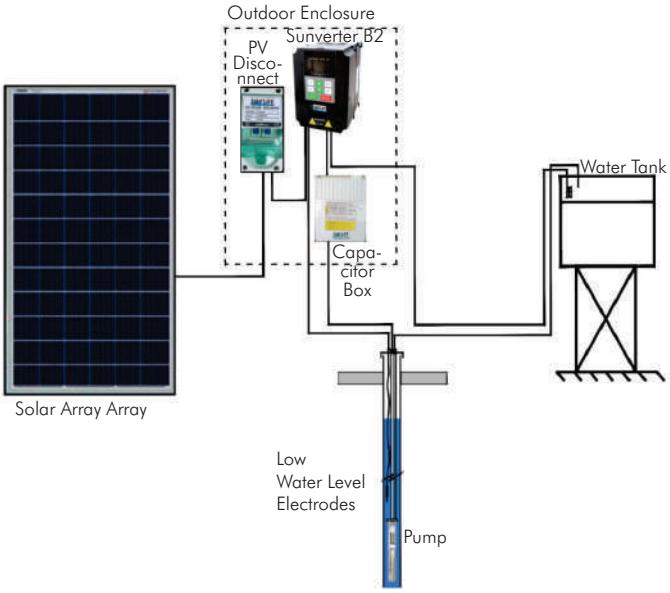
UPDATED

DSD KIT

Solar Pumping Systems



Solar pumping is now firmly established as an ideal solution for many water supply applications, AC motor pumps being widely used together with DC/AC inverters enabling hybrid PV solar/AC mains supply operation. The Dayliff DSD range of borehole pumps are established and reliable units and when combined with high specification Dayliff Sunverter controllers are efficient and cost effective applications of this technology. These are now offered as complete kits for simplified installation comprising matched fully compatible components and all necessary accessories as follows:-

- A selection of Dayliff DSD borehole pumps specified for the required duty fitted with polycarbonate impellers and diffusers, a stainless steel pump housing and sealed liquid cooled asynchronous motors.
- The appropriate specification and number of Dayliff Grade 1 PV solar modules with connectors for simplified installation.
- Control unit including a Dayliff Sunverter SVB2 controller, capacitor box and a PV disconnect switch installed in a weatherproof plastic enclosure. Sunverter SVB2 controllers enable AC/DC operation using either PV DC solar modules or mains grid or generator AC power and provide full motor protection, soft start and MPPT capability for maximum solar insolation efficiency.
- Accessories including drop cable, 10m PV module connection cable, HDPE pipe fittings and galvanised steel wellhead with accessories. Module supports and piping are not included and are supplied extra according to installation requirements.

Full details of pump performance and specification is given in the Dayliff Product Manual and Dayliff SolarCalc App and should be referred to when selecting equipment.

SYSTEM OPTIONS

Pump	Duty	Motor Power (kW)	MP Voltage (VDC)	Solar Module	Cable Size(mmxm)	Outlet Size (")
DSD3/13	$3m^3$/hr @ 65m	0.75	310-360	9x200W	1.5x80	1¼
DSD3/18	$3m^3$/hr @ 90m	1.1		9x200W	2.5x100	
DSD3/30	$3m^3$/hr @150m	2.2		9x350W	6x135	
DSD5/10	$5m^3$/hr @ 35m	0.75		9x200W	1.5x30	1½
DSD5/18	$5m^3$/hr @ 65m	1.5		8x350W	2.5x80	
DSD5/24	$5m^3$/hr @ 85m	2.2		9x350W	4x100	
DSD8/12	$8m^3$/hr @ 48m	1.5		8x350W	2.5x30	2
DSD8/17	$8m^3$/hr @ 70m	2.2		9x350W	6x90	

Note1: Greater water outputs will be available at lower heads
Note2: Actual performance will be determined by site conditions and irradiation levels.