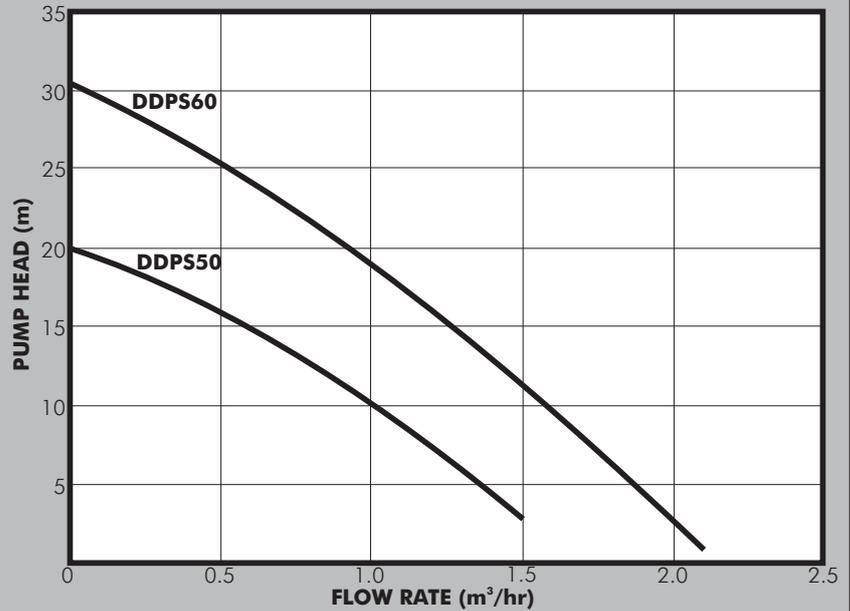




DDPS DC Solar Pump



PUMP

The Dayliff DDPS range of solar powered booster pump are suitable for water transfer in small scale applications where grid power is unavailable. Construction is cast iron pump body, aluminium motor body, peripheral brass impeller and silicon carbide mechanical seal.

Pumps feature an inbuilt controller that provides thermal and over voltage protection and can be connected directly to a DC PV power supply. They are supplied complete with 1m long PV cable with MC4 connection for quick and easy installation.

MOTOR

The pump is coupled to high efficiency permanent magnet brushless DC motor rated for continuous operation.

Enclosure Class: IP54

Insulation Class: B

Speed: 2900rpm

POWER OUTPUTS

Pump output curves are given at standard test conditions of 1000W/m² solar irradiance and 25°C. Output will vary throughout the year depending upon prevailing irradiation levels. For estimated daily outputs at continuous pumping, multiply the indicated output at the duty point by the daily irradiation given in Graph 1. For indicative purposes, factors of 1.1 can be applied for hot arid areas and 0.9 for temperate high altitude areas in the Tropics. Output will vary throughout the day as a proportion of the estimated hourly irradiation as shown in Graph 2.

OPERATING CONDITIONS

Pumped Liquid: Thin clean chemically non-aggressive liquid without solids or fibres.

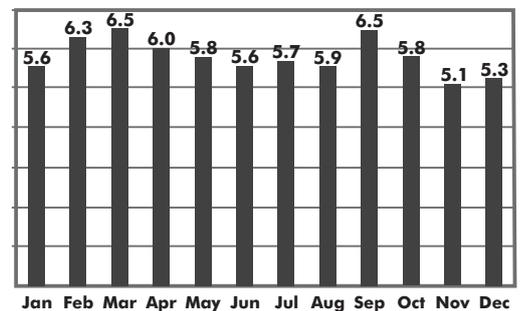
Max. Ambient Temperature: +35°C

Max. Liquid Temperature: +40°C

PUMP DATA

Model	Motor Input Power(W)	Voltage (V)	PV Modules (W)	Open Circuit Voltage (VOC)	Inlet/Outlet (")	Dimensions (mm)			Weight (kg)
						L	W	H	
DDPS50	220	12	3x100W (3 No. Parallel Strings)	<20V	1"	265	120	150	6
DDPS60	370	24	2x275W (2 No. Parallel Strings)	<50V					

Average Daily Irradiation Values (Kwhr/m²) Graph 1



% Daily Output Graph 2

