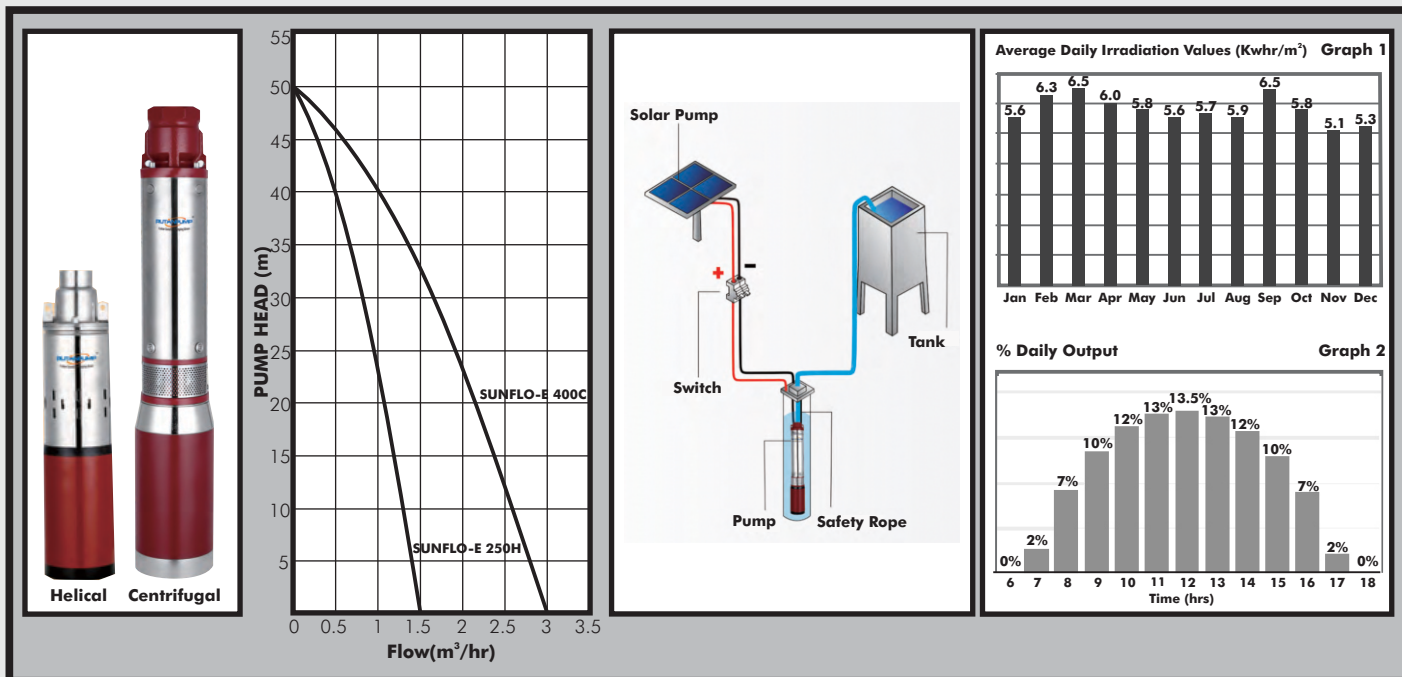




SUNFLO-E

DC Solar Submersible Pump



PUMP

DAYLIFE SUNFLO-E pumps are low cost DC Solar PV Powered type pumps designed for water supply from wells and boreholes. Sunflo-E 250H models are of Helical Rotor design, the rotor and outlet being made of AISI301 stainless steel and motor casing of cast iron. Sunflo-E 40C models are multistage centrifugal design with noryl impellers, AISI301 stainless steel pump casing and cast iron outlet and motor casing. Pumps are supplied with spare brushes and 18m cable.

MOTOR

DC brush motor specifically designed for maximum efficiency from solar module power sources. It should be powered by a solar array configured to provide the input voltage required and sized at approximately 130% of the rated motor power.

PUMP OUTPUTS

Performance 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.

Enclosure Class: IPX8

Insulation Class: B

Speed: 4000rpm

OPERATING CONDITIONS

Pumped Liquid: Thin, clean, chemically non-aggressive liquids without solid particles or fibres.

Max. Liquid Temperature: 35°C

Max. Particle Size: 0.2mm

Max Immersion Depth: 15m

PUMP DATA

Model	Type	Motor Power (W)	Input Voltage (V)	Rated Current (A)	Peak Voltage (V)	Open Circuit Voltage (VOC)	PV Configuration	Outlet (")	Dimensions (mm)		Weight (kg)
									W	H	
Sunflo-E 250H	Helical Rotor	250	24	8	≥30	<50	1x335W	1	78	360	5
Sunflo-E 400C	Centrifugal	400	48	8	≥50	<100	2x335W Series		102	610	13

