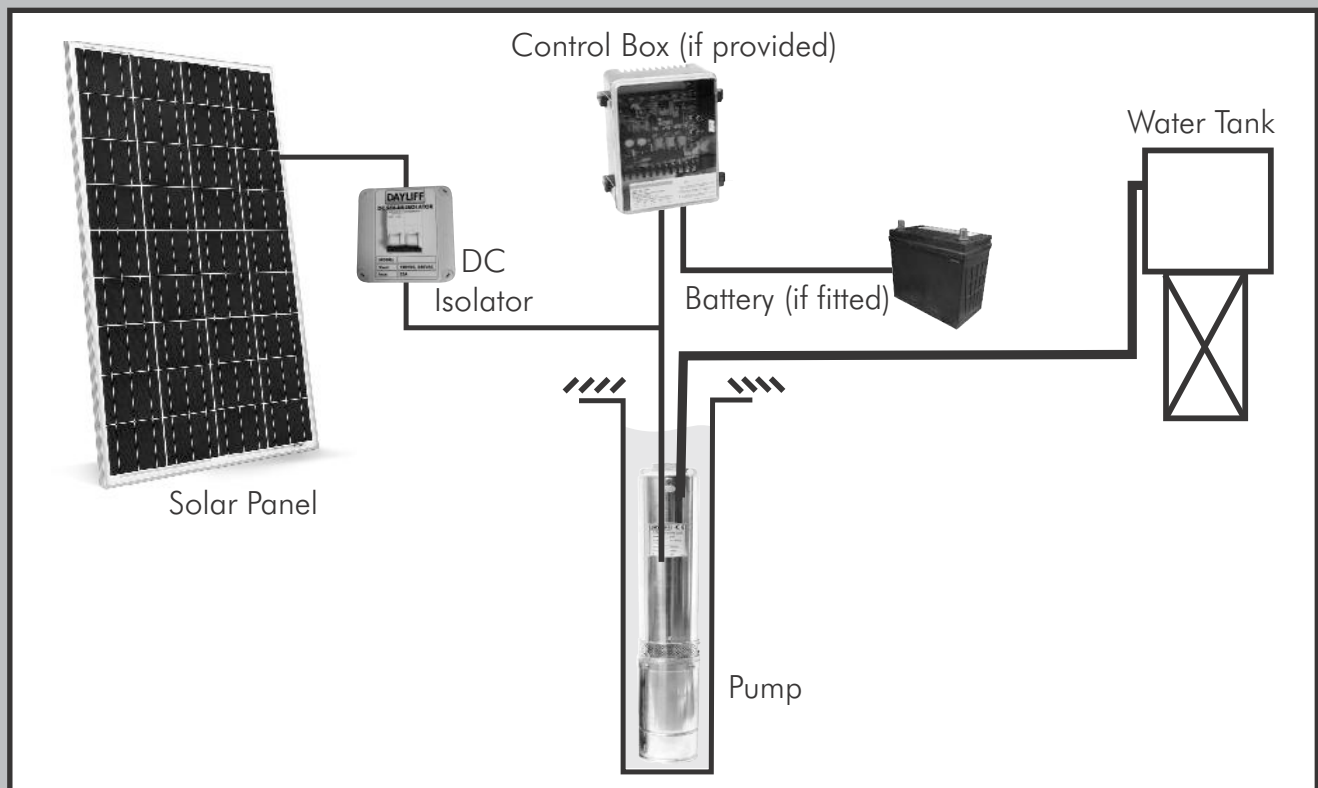


DAYLIFF

DATA SHEET

Sunflo Solar Pumping Systems



Solar pumping is now firmly established as the technology for water supply in remote off-grid applications and also as the costs reduce increasingly for general pumping duties. Dayliff have been leaders in the technology since the birth of the industry and today offer a wide range of options for every solar pumping requirement imaginable. Particularly a range of competitive, high specification solar pumping systems have been developed for smaller scale applications which are based on robust submersible solar pumps specially designed for PV powered water supply from wells and boreholes.

Together with the pump all systems include:-

- The appropriate specifications and number of Grade 1 PV modules with connectors for simplified installation
- Submersible drop cable and joint together with 10m module connection cable
- DC solar isolator with MCB control provided for module isolation
- Safety rope and HDPE pipe connectors

Module supports and piping are not included. The various systems offered give a wide range of duties, indicative performance being given. Full details of pump performance and specification is given in the Dayliff Product Manual and should be referred to when selecting equipment.

SUNFLO-S



Positive displacement type of three chamber diaphragm design. They are manufactured from high quality engineering plastics with plastic casings for the 150 model and stainless steel for the 300. Pumps can be connected directly to a 24V PV power supply for daytime only pumping or through a charge controller connected to batteries for extended daily operation.

SUNFLO-A



All models are of helical rotary screw stainless steel design for high efficiency and feature an inbuilt controller that gives operating protection for direct connection to the PV modules. All models are of narrow 3" diameter specifically designed for boreholes.

SUNFLO-B



Higher specification pumps of both helical rotor and centrifugal type that are provided with separate controllers that feature MPPT technology to maximise pumping output as well as providing electrical protection and indicator lights giving operating status. Battery connection is also available for extended daily pumping.

System Options

Pump Model	Indicative Performance	Input Voltage (V)	Motor Rating Watts	Peak Voltage (V)	Open Circuit Voltage (VoC)	PV Modules	Cable length, 2.5mm ²	Outlet Size
SUNFLO-S 150	1m ³ /day at 30m	24	120	24	<50	1x200W	30m	1/2"
SUNFLO-S 300	3m ³ /day at 60m	24	300			2x200W	60m	
SUNFLO-A 150H	2m ³ /day at 30m	24	150	≥30	<100	1x200W	30m	3/4"
SUNFLO-A 270H	3m ³ /day at 50m	36	270	≥45		2x200W	50m	
SUNFLO-A 600H	4m ³ /day at 70m	48	600	≥60	<100	4x200W	70m	
SUNFLO-B 120H	3m ³ /day at 30m	24	120	≥30	<50	1x200W	30m	
SUNFLO-B 500C	6m ³ /day at 40m	48	500	≥60	<100	4x200W	40m	1"
SUNFLO-B 1000C	12m ³ /day at 70m	110	1000	≥112	<200	8x200W	70m	1 1/4"

Note1: Greater water outputs will be available at lower heads

Note2: Actual performance will be determined by site conditions and irradiation levels.

© Davis & Shirliff 2018. Contents herein are not warranted. The right is reserved to amend specifications without notice.

DS145X-01/19

KENYA
Nairobi - Head Office
Tel: (254 20) 696000
h.e.o.office@dayliff.com
Nairobi - Westlands
Tel: (254 20) 4446118
westlands@dayliff.com
Nairobi - Downtown
Tel: (254) 715 439 392
downtown@dayliff.com
Eastleigh
Tel: (254) 711 079 645
eastleigh@dayliff.com
Uwajala
Tel: (254) 780 575745
uwajala@dayliff.com
Nairobi - Karen
Tel: (254 20) 3883513
karen@dayliff.com
Ongata Rongai
Tel: (254 20) 2400146
ongatarongai@dayliff.com
Kiambu
Tel: (254) 701 646 309
kiambu@dayliff.com

Thika
Tel: (254 67) 2220084
thika@dayliff.com
Kiunga
Tel: (254 45) 3120894
kiunga@dayliff.com
Machakos
Tel: (254 44) 2021668
machakos@dayliff.com
Kisumu
Tel: (254) 701 683 289
kisumu@dayliff.com
Embu
Tel: (254) 780 455 512
embu@dayliff.com
Meru
Tel: (254 64) 3131033
meru@dayliff.com
Nanyuki
Tel: (254 62) 2030018
nanyuki@dayliff.com
Garissa
Tel: (254 46) 2102820
garissa@dayliff.com
Naivasha
Tel: (254 50) 2030510
naivasha@dayliff.com

Lodwar
Tel: (254 724) 248692
lodwar@dayliff.com
Eldoret
Tel: (254 53) 2081306
eldoret@dayliff.com
Nakuru
Tel: (254 51) 2213248
nakuru@dayliff.com
Narok
Tel: (254) 701 683 289
narok@dayliff.com
Kakamega
Tel: (254 51) 2031889
kakamega@dayliff.com
Bungoma
Tel: (254 64) 749 948 514
bungoma@dayliff.com
Kisumu
Tel: (254 51) 2024763
kisumu@dayliff.com
Kisii
Tel: (254 58) 2030949
kisii@dayliff.com

KENYA COAST
Mombasa - Main Office
Tel: (254 20) 2040432
mombasa@dayliff.com
Mombasa - Downtown
Tel: (254) 780 567 378
mombasadowntown@dayliff.com
Maitindi
Tel: (254 42) 2120425
maitindi@dayliff.com
Diani
Tel: (254 40) 3202181
diano@dayliff.com
Lamu
Tel: (254 20) 205105256
lamu@dayliff.com
Nyali
Tel: (254 20) 2443357
nyali@dayliff.com
Voi
Tel: (254 20) 2028284
voi@dayliff.com
Mtwapa
Tel: (254) 798 478 113
mtwapa@dayliff.com

UGANDA
Kampala - Main Office
Tel: (256 414) 3463378
kampala@dayliff.com
Kampala - Nakasero
Tel: (256 392) 734633
nakasero@dayliff.com
Kampala - Shauri Moyo
Tel: (256 414) 660 770
shauriyak@dayliff.com
Gulu
Tel: (256 471) 433041
gulu@dayliff.com
Mbarara
Tel: (256 753) 840 080
mbarara@dayliff.com
Jinja
Tel: (256 392) 001556
jinja@dayliff.com
SOUTH SUDAN
Juba
Tel: (211 936) 397 070
juba@dayliff.com

TANZANIA
Dar es Salaam - Main Office
Tel: (255 22) 2112515/6
daresalaam@dayliff.com
Dar es Salaam - Kariakoo
Tel: 2184867
kariakoo@dayliff.com
Arusha
Tel: (255 27) 2547317/8
arusha@dayliff.com
Zanzibar
Tel: (255 24) 2234660/1
zanzibar@dayliff.com
Mwanza
Tel: (255 28) 2541971/2
d&mswanza@dayliff.com
Dodoma
Tel: (255) 753 506 503
dodoma@dayliff.com

ZAMBIA
Lusaka - Main Office
Tel: (260 211) 288010/1
lusaka@dayliff.com
Lusaka - Chacha Cha
Tel: (260 211) 842350
Ndola
Tel: (260 212) 610936/7
ndola@dayliff.com
Kitwe
Tel: (260 212) 221747/6/7
kitwe@dayliff.com
Livingstone
Tel: (260 213) 320002/234
livingstone@dayliff.com
Solwezi
Tel: (260 218) 821822
solwezi@dayliff.com

RWANDA
Kigali
Tel: (250) 252 504039
kigali@dayliff.com
Rubavu
Tel: (243) 814 911999
rubavu@dayliff.com
ETHIOPIA (Associate)
Addis Ababa
Tel: (251 11) 9159341/44
ethiopia@dayliff.com
DR Congo
Lubumbashi
Tel: (243) 978 115412/ 852 798553
drc@dayliff.com



www.davisandshirliff.com



Davis & Shirliff



@dayliff