

EURONET DC Surface Solar Pumps

180 W – 3 HP | Flows to 55 m³/h | No Controller Required

EURONET DC Surface Solar Pumps are self-priming surface pumps that run directly from a photovoltaic array — no controller is required, and they can also be powered straight from a battery. The SF series covers 2", 3" and 4" outlets with flows to 55 m³/h, alongside EU 12 V and 24 V peripheral pumps and the 1500 W EU-HY 3" engine pump. All models use 100% copper wire, a brass impeller and stainless steel screws.



6 KEY HIGHLIGHTS



Direct Solar Operation

Runs without a controller, or directly from a battery.



Flows up to 55 m³/h

SF 4" delivers 55 m³/h maximum flow, 100 mm outlet.



100% Copper Wire

Fully copper-wound motor for reliable, efficient output.



Brass Impeller

Brass impeller with stainless steel screws for long life.



Virtually No Maintenance

Easy to operate and maintain, with no maintenance cost.



Eco-Friendly

Non-polluting, with no fuel cost — it uses free sunlight.

PRODUCT RANGE



SF Series

DC surface engine pump



EU 12V / 24V

DC peripheral pump



EU-HY Pump 3"

1500 W DC solar engine pump

GENERAL

Product type	DC surface solar pump	Engine pump / self-priming
Series covered	SF 2" / 3" / 4" · EU 12 V & 24 V · EU-HY Pump 3"	6 models in total
Power range	180 W – 3 HP (2.2 kW)	Across the full range
Supply voltage range	DC 12 V – 220 V	Model dependent
Max head range	8 m – 25 m	Model dependent
Max flow range	2.2 m³/h – 55 m³/h	Model dependent
Outlet sizes	25 mm · 50 mm · 80 mm · 100 mm · 3"	Model dependent

CONSTRUCTION & OPERATION

Motor winding	100% copper wire	All models
Impeller	Brass	
Fasteners	Stainless steel screws	
Mounting	Portable steel frame with carry handles	SF series
Controller	Not required	Direct solar connection
Battery operation	Supported — runs directly from a battery	
Maintenance	Virtually no maintenance cost	Easy to operate and maintain
Quality system	ISO 9001:2015 certified	TÜV Rheinland

SURFACE PUMP SERIES — SF

MODEL: PUMP SF 2"

Voltage	DC 150 V	Power	2 HP	Current	9.5 A
Outlet	50 mm	Max head	15 m	Max flow	20 m³/h
DUTY POINT & PV ARRAY					
Working head	10 m	Working flow	10 m³/h	PV array	3 × 330 W

MODEL: PUMP SF 3"

Voltage	DC 150 V	Power	2 HP	Current	8.5 A
Outlet	80 mm	Max head	10 m	Max flow	42 m³/h
DUTY POINT & PV ARRAY					
Working head	5 m	Working flow	25 m³/h	PV array	4 × 330 W

SURFACE PUMP SERIES — SF (CONTINUED)

MODEL: PUMP SF 4"					
Voltage	DC 180 – 220 V	Power	3 HP / 2.2 kW	Current	8.5 A
Outlet	100 mm	Max head	8 m	Max flow	55 m³/h
DUTY POINT & PV ARRAY					
Working head	5 m	Working flow	40 m³/h	PV array	6 × 330 W
Suction	2.0 m				

PERIPHERAL PUMPS — EU SERIES

MODEL	VOLTAGE	POWER	CURRENT	OUTLET	MAX HEAD	MAX FLOW
EU 12V 180W	DC 12 V	180 W	15 A	25 mm	15 m	15 m³/h
EU 24V 370W	DC 24 V	370 W	15 A	25 mm	25 m	2.2 m³/h

Maximum flow figures are printed exactly as they appear in the source catalogue.

DC SOLAR ENGINE PUMP

MODEL: EU-HY PUMP 3" — DC SOLAR ENGINE PUMP					
Power	1500 W	Voltage	48 / 60 / 72 V	Speed	3000 rpm
Output	3 inches	Lift	10 m	Flow	40 m³/h
SUCTION					
Suction lift	9 m				

MODEL SELECTION BY MAXIMUM FLOW

Up to 2.2 m³/h	EU 24V 370W	Max head 25 m · 25 mm outlet
Up to 15 m³/h	EU 12V 180W	Max head 15 m · 25 mm outlet
Up to 20 m³/h	Pump SF 2"	Max head 15 m · 50 mm outlet
Up to 40 m³/h	EU-HY Pump 3"	Lift 10 m · 3" output · suction 9 m
Up to 42 m³/h	Pump SF 3"	Max head 10 m · 80 mm outlet
Up to 55 m³/h	Pump SF 4"	Max head 8 m · 100 mm outlet

Guide only — grouped from the maximum flow figures in the tables above. Select on the actual duty point (head and flow required), not on maximum flow alone.