

Extended SQFLEX SOLAR POWERED SUBMERSIBLE PUMP RANGE

The Grundfos SQFlex AC/DC powered submersible pump range now includes high speed models to ensure even better coverage of your solar-powered water pumping needs.

Designed with over 75 years of pump experience and over 40 years of solar technology expertise, the SQFlex is built with proven technology for reliable operation.

Versatile product applications:

- Off-grid water supply
- Livestock watering
- Water supply for homes and communities
- Crop watering

Designed for your needs:

The SQFlex range is compatible with solar, wind or combination systems, and is available in three configurations – 5 helical rotor models (3" diameter), 5 centrifugal models (3" diameter) and 6 centrifugal

models (4" diameter). With centrifugal and positive displacement models available, Grundfos offers the best range of solutions for the most challenging applications.

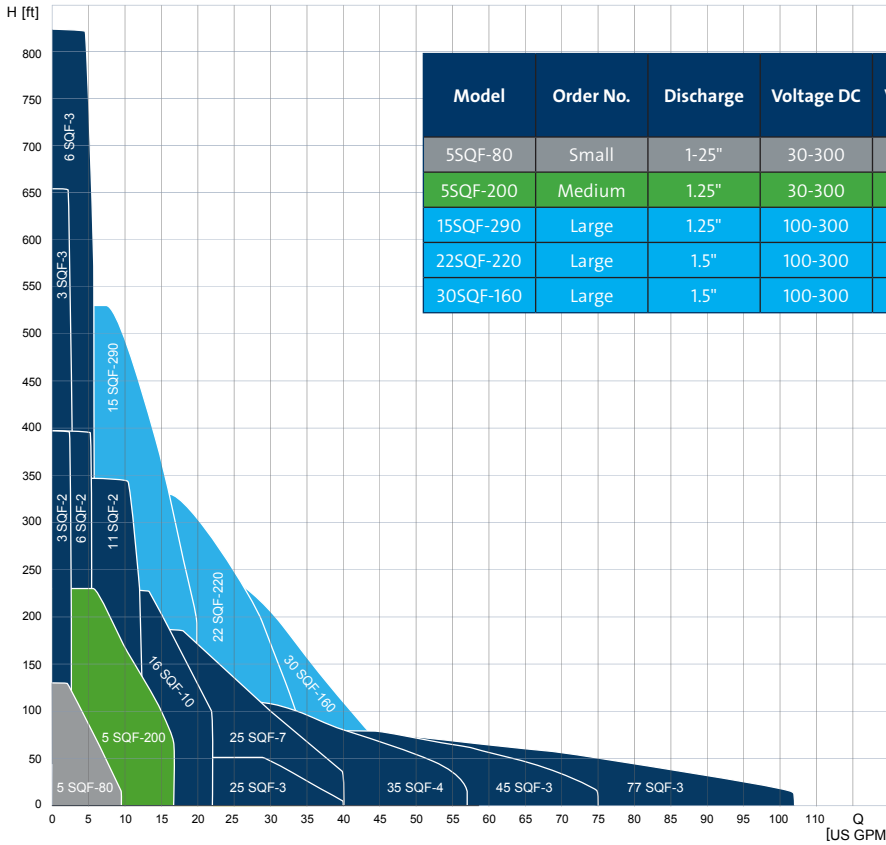
- AC/DC power inverter with a universal connection (not polarity specific), built directly into the pump
- Capable of tolerating the widest incoming voltage range on the market (30-300 VDC | 90-240 VAC)
- High efficiency PM/BLDC motor
- AISI stainless-steel 304 and 316 construction options with sacrificial anode available
- Virtually no maintenance
- Integrated dry run and motor protection
- Reliable and proven water supply technology

TECHNICAL SPECIFICATIONS

Max. flow rate:	18 m ³ /h (90 m ³ /day) 79 gpm
Max. head:	250 m 820 ft
Liquid temperature:	0°C to +40°C 32°F to 104°F
Max. submergence depth below static water level:	152 m 500 ft
Voltage range:	30 to 300 VDC (100 to 300 VDC for 15SQF-290, 22SQF-220, 30SQF-160), 1x90-240 VAC, 50/60 Hz
Max current:	12 A
Pump enclosure class:	IP68



PERFORMANCE CURVES



Model	Order No.	Discharge	Voltage DC	Voltage AC	Wattage	Max. Current Amps.	Controller When Required
5SQF-80	Small	1-25"	30-300	90-240	300	8,4	CU200
5SQF-200	Medium	1.25"	30-300	90-240	1000	8,4	CU200
15SQF-290	Large	1.25"	100-300	90-240	2500	12	CIU903
22SQF-220	Large	1.5"	100-300	90-240	2500	12	CIU903
30SQF-160	Large	1.5"	100-300	90-240	2500	12	CIU903

- SQFlex Standard
- SQFlex High Speed (Large)
- SQFlex High Speed (Medium)
- SQFlex High Speed (Small)

SYSTEM CONTROLS

CU200

Monitoring capabilities including:

- Pump operation status
- Power consumption data
- Alert for full water reservoir
- Four system alarms
- Fill/empty tank operations (Standard models)

Not compatible with 2500 watt motors
15SQF-290, 22SQF-220, 30SQF-160



CIU903

Enables the pump to:

- Use Grundfos GO control functions
- Integrate with Grundfos Remote Monitoring (GRM)
- Complete fill/empty tank operations (High speed models)

(Compatible with all models)



SIZING & SELECTION

GRUNDFOS PRODUCT CENTER

Access the platform directly from the Grundfos website and get all product information in one place, optimised for your PC, tablet or smartphone.

grundfos.us/sqflex

GRUNDFOS GO SOLAR APP

Download the app and size solar systems based on application, pump or solar panels. You can also complete basic sizing offline and sync with Grundfos Product Center at a later time.



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