



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, 316 and 904L construction options with sacrificial anode available
- Virtually no maintenance
- Integrated dry run and motor protection
- Reliable and proven water supply technology

## Technical specifications

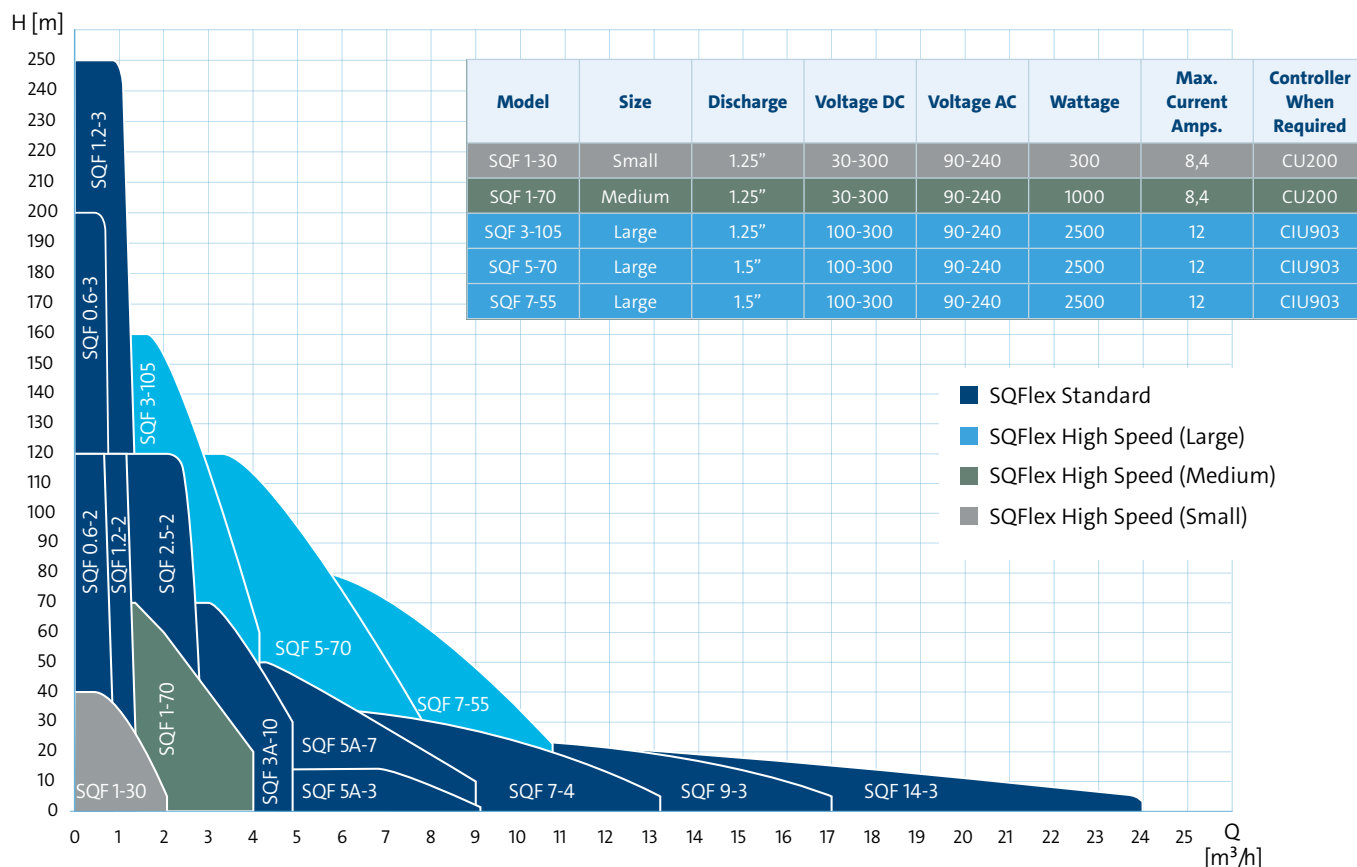
<b>Max. flow rate:</b>	18 m <sup>3</sup> /h (90 m <sup>3</sup> /day)   79 gpm
<b>Max. head:</b>	250 m   820 ft
<b>Liquid temperature:</b>	0°C to +40°C   32°F to 104°F
<b>Max. submergence depth below static water level:</b>	152 m   500 ft
<b>Voltage range:</b>	30 to 300 VDC (100 to 300 VDC for SQF3-105, SQF 5-70, SQF 7-55), 1x90-240 VAC, 50/60 Hz
<b>Max current:</b>	12 A
<b>Pump enclosure class:</b>	IP68



**GRUNDFOS** 

Possibility in every drop

## Performance Curves



## 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  
(SQF 3-105, SQF 5-70 & SQF 7-55)



### CIU903

#### Enables the pump to:

- Use Grundfos GO control functions
- Integrate with Grundfos Utility Connect
- 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.com/SQFlex](https://www.grundfos.com/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.

