

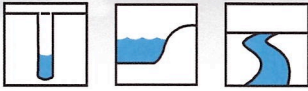
# SQ FLEX

## SOLAR POWERED SUBMERSIBLE PUMP

EXTENDED RANGE



### WATER SOURCE



Bore

Dam

River

### APPLICATION



Irrigation

Stock Watering

Transfer

### Ultra Long Life

SQ Flex comes standard with base mount zinc anodes, which protect the pump casing from aggressive saline water, further extending life expectancy

### Smart Control

The smart internal motor control (Max. Power Point Tracking) adjusts pump speed accordingly to Solar DC power input

### High Quality Materials

High grade stainless steel construction to ensure a long, trouble-free life

### Permanently Protected

If your bore runs dry, the motor is protected and will stop running, restarting automatically.

### All-in-one Solution

SQ Flex comes with a built-in DC to AC frequency inverter, eliminating the need for extra equipment

### Wide Voltage Range

Able to work under widely fluctuating AC/DC voltages



### RECOMMENDED ACCESSORIES

#### Controller - CU200

Compatible with SQ Flex up to 1.4 kW



#### Isolator/Manual Switch - IO101

Compatible with SQ Flex up to 1.4 kW



#### Control and Communication Unit - CIU903

Compatible with all models of SQ Flex  
Used as a starter for SQFL models



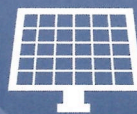
#### Level Switch/Float Kit



#### Pressure Kit/Pressure Switch



### POWER INPUT OPTIONS



Solar DC



Mains AC



Generator DC



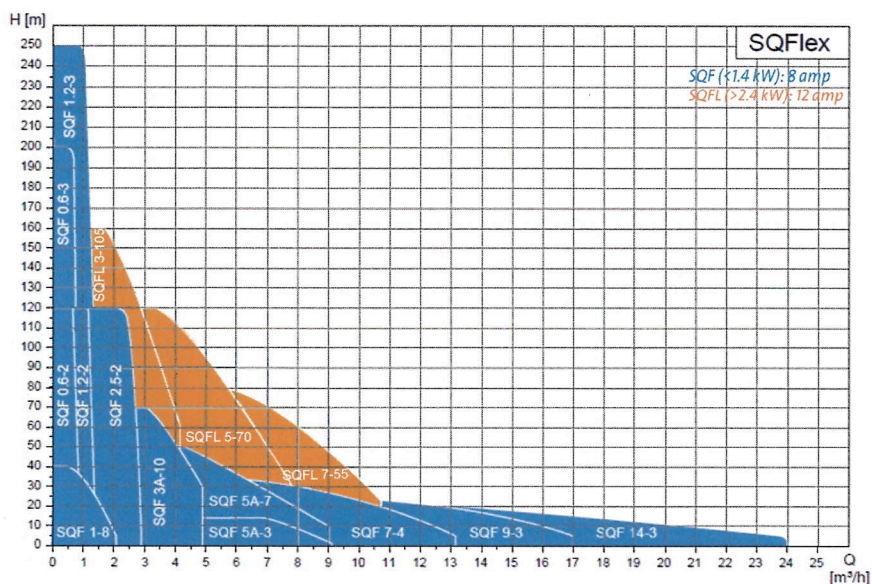
Battery  
Back-up DC

be  
think  
innovate

GRUNDFOS

## TECHNICAL & PERFORMANCE DATA

### PERFORMANCE CURVE



### PROTECTION & CONTROL

Max. Power Point Tracking	✓
Dry Run Protection	✓
Over & Under Voltage Protection	✓
Over Temperature Protection	✓

### TECHNICAL DATA

Power Supply Voltage	SQF (<1.4 kW): 8 amp (30-300 VDC) 90-240 VAC 50 Hz <i>Used with CU200, IO101</i>
	SQFL (>2.4 kW): 12 amp (100-300 VDC) 90-240 VAC 50 Hz <i>Used with CIU903</i>
Liquid Temperature	0° to +40°C
Maximum Suspended Sand Content	50 g/m³

### PHYSICAL ATTRIBUTES

Model	Motor Power P1 (kW)	Dimensions (mm)			Weight (kg)
		A (l)	B (w)	C (Outlet)	
SQF 0.6-2 N	1.4	1185	74	Rp 1 1/4	7.6
SQF 0.6-3 N	1.4	1235	74	Rp 1 1/4	7.9
SQF 1.2-2 N	1.4	1225	74	Rp 1 1/4	7.9
SQF 1.2-3 N	1.4	1295	74	Rp 1 1/4	8.2
SQF 2.5-2 N	1.4	1247	74	Rp 1 1/4	8.2
SQF 1-30 N	0.3	956	74	Rp 1 1/4	7.5
SQF 3A-10 N	1.4	1012	101	Rp 1 1/4	11.1
SQF 5A-3 N	1.4	865	101	Rp 1 1/2	9.3
SQF 5A-7 N	1.4	949	101	Rp 1 1/2	10.2
SQF 7-4 N	1.4	927	101	Rp 1 1/2	12.5
SQF 9-3 N	1.4	1011	101	Rp 2	10.6
SQF 14-3 N	1.4	982	101	Rp 2	11.2
SQFL 3-105 N	2.5	942	74	Rp 1 1/4	6.8
SQFL 5-70 N	2.5	941	74	Rp 1 1/2	6.4
SQFL 7-55 N	2.5	860	74	Rp 1 1/2	6.1

