

SQ FLEX

SOLAR POWERED SUBMERSIBLE PUMP

EXTENDED RANGE

2
YEAR
WARRANTY

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. Also features electrical and overheating motor protection.

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

CU200 - Controller

Compatible with SQ Flex up to 1.4 kW



IO101 - Isolator/Manual Switch

Compatible with SQ Flex up to 1.4 kW



CIU903- Control and Communication Unit

Compatible with all models of SQ Flex



Level Switch/Float Kit



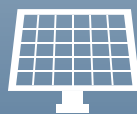
Pressure Kit/Pressure Switch



Plug n Play Panel



POWER INPUT OPTIONS



Solar DC



Mains AC



Generator DC



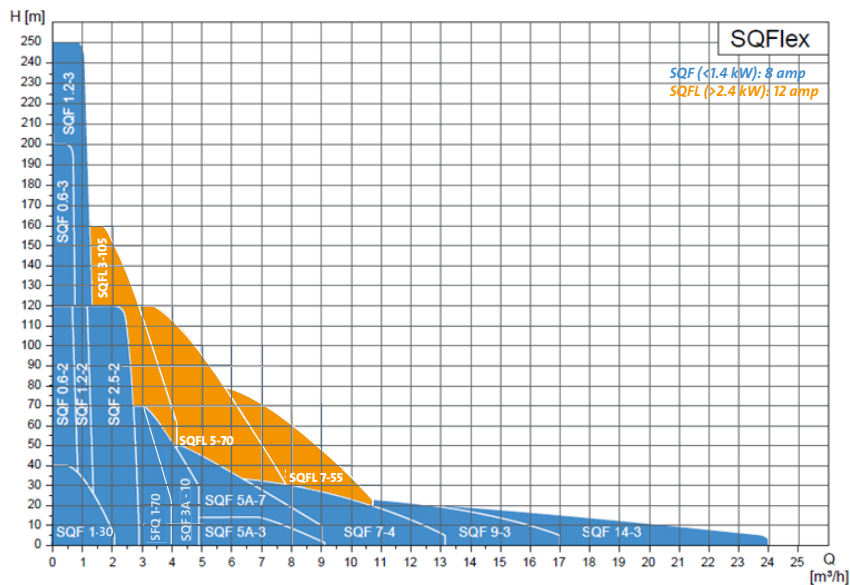
Battery
Back-up DC

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): 30-300 VDC 90-240 VAC 50 Hz
	SQFL (>1.4 kW): 100-300 VDC 90-240 VAC 50 Hz
Liquid Temperature	0° to +40°C
Maximum Suspended Sand Content	50 g/m ³

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 1-70 N	0.9	861	74	Rp 1 1/4	5.4
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
SQF 3-105 N	2.5	942	74	Rp 1 1/4	6.8
SQF 5-70 N	2.5	941	74	Rp 1 1/2	6.4
SQF 7-55 N	2.5	860	74	Rp 1 1/2	6.1

