

Specification table



Description	RSI Inverter	SQFlex	CRFlex	MTRFlex
Pump Type	Standard 3 phase SP (submersible) or CR (surface mount)	Submersible	Surface mount	Floating
DC Power Source (eg. Solar Module)	530-600 VDC	30-300 VDC	110-415 VDC	110-415 VDC
Generator (with IO101 Recommended 1.5 kVa)		1ph 90-240 VAC 50/60 Hz	1ph 220-240 VAC 50/60 Hz	1ph 220-240 VAC 50/60 Hz
AC Power Source (eg. Grid)		1ph 90-240 VAC 50/60 Hz	1ph 220-240 VAC 50/60 Hz	1ph 220-240 VAC 50/60 Hz
Technical Features				
Max. Power Point Tracking	✓	✓	✓	✓
Overtoltage Protection	✓	✓	✓	✓
Undervoltage Protection	✓	✓	✓	✓
Over Temperature Protection	✓	✓	✓	✓
Dry Run Protection	Via in bore float switch	Built-in	Requires external sensor	Requires external sensor
Remote Start/Stop	✓	Via CU 200	-	-
Temperature	×	0° to 40° C	0° to 120° C	0° to 120° C
Accessories				
Control Unit	RSI Inverter	Connected via CU 200	Connected via motor terminal box	Connected via motor terminal box
Level Switch	✓	✓	✓	✓
Pressure Switch	✓	✓	✓	✓

Performance table

	RSI Inverter	SQFlex	CRFlex	MTRFlex
Max. Pressure	>5000 kPa	2500 kPa	700 kPa	700 kPa
Max. cubic metres per hour	>150 m ³ /hour	19 m ³ /hour	20 m ³ /hour	20 m ³ /hour

Control units

RSI Inverter	IO 50	IO 101	CU 200
✓ Inverts DC to 380 V 3ph	✓ Designed for the SQFlex system	✓ Designed for the SQFlex system	✓ Combined status & control unit for the SQFlex system
✓ Displays input power and operation power	✓ Enables manual starting and stopping of the pump	✓ Enables manual starting and stopping of the pump	✓ Displays the input power and operational status
✓ Enables connection of level switch or float switch	✓ Functions as a connection box for necessary cables	✓ Allows for automatic switching to generator*	✓ Enables connection of a level switch or pressure switch

*If generator is stopped manually or runs out of fuel, the IO 101 will automatically change back to operation via solar energy.