

ITS 12V-B: Circulation Pump



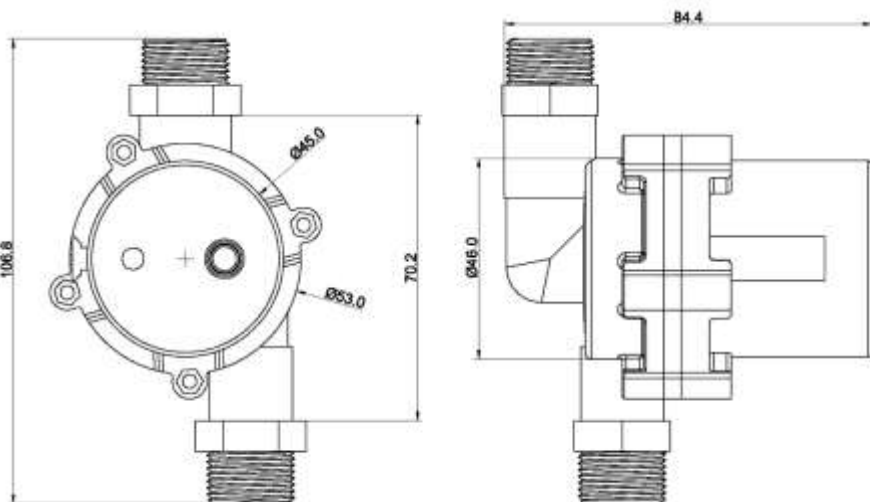
WHERE HIGH PERFORMANCE MEETS
HIGH EFFICIENCY

South Africa's leading Solar Water Heating Supplier



Applications

- The ITS12V-B solar DC pump can be used for most hot water circulation applications.
- The ITS12V-B can be connected directly to a 5W or bigger photovoltaic panel and is characterized by its small size, high efficiency, and extreme low power consumption. We however recommend that the pump be used with one of our solar thermal controllers as this will greatly improve the overall thermal efficiency of the solar system.
- This pump is perfect for single family solar thermal systems.



TYPICAL WORK PERFORMANCE CHARACTERISTICS

Working Voltage (DC)	8V~24V
Power consumption	2W ~ 10W
Life Span	13 years (normal solar use)
Noise	< 42dB
Max Flow Rate	10L / minute
Static Head	2.3m
Working Temperature	Max 110°C
Connection Ports	1/2 inc brass
Weight (g)	330
Max Pressure	10 bar

FEATURES

- ◇ Energy efficient micro processor controlled brushless DC motor.
- ◇ Low inrush current soft start. Starts at 2 Watt.
- ◇ Durable permanent magnetic rotor/impeller and fine ceramic shaft.
- ◇ Long life brushless motor technology provides maintenance free and quiet service.
- ◇ Heavy duty. Continual 24 hour operation.
- ◇ High temperature Ryton casing and impeller (no deformation up to 260°C).
- ◇ Automatic dry-running, over-temperature and overload protection.
- ◇ Low power consumption

OVER-TEMPERATURE PROTECTION

The ITS12V-B Solar DC pump comes with an integrated over-temperature safety device which slows down the pump at 95°C and shuts off the pump electronics when reaching temperature over 110°C (230°F). When the temperature of the pumped fluid cooled to below 95°C (203°F) the pump will function normally again.

GUARANTEE

The 12Vdc pump carries the same 1 year guarantee as all other electronics supplied by ITS and is subject to the same guarantee claim procedures. Please note that the guarantee become void if not installed as described above. The guarantee is also void if not installed with the ITS supplied non return valve and controller.



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