E-SB50M48VDC

EURONET SUBMERSIBLE SOLAR PUMP – 400W 50m

DC Submersible Solar Pump | Deep Well



VOLTAGE	POWER
DC 48V	400 W
CURRENT	**MAX HEAD**
8.0 A	50 m
MAX FLOW	**OUTLET**
3 m³/h	25 mm

OVERVIEW

The EURONET E-SB50M48VDC is a E-SB Series DC submersible solar pump for bore-holes, wells and reservoirs in off-grid farming. Running on DC 48V at 400 W and 8.0 A, it lifts clean water to a maximum head of 50 m with a maximum flow of 3 m³/h through a 25 mm outlet. The motor is sealed for full submersion with low vibration, and the rotor's self-cleaning action as it turns within the stator reduces the risk of blockage. It is powered by the PV array, with no mains electricity and no fuel cost.

KEY FEATURES

Sealed Submersible Motor
Motor sealed for full submersion, with low vibration during extended operation in wells and bore-holes

Self-Cleaning Rotor
The rotor cleans itself as it turns within the stator, reducing the risk of blockage over time

Up to 50 m Max Head
Lifts clean water to 50 m at up to 3 m³/h through a 25 mm outlet, on DC 48V at 400 W

MPPT via Solar Pump Inverter
Works with standard solar pump inverters for MPPT operation, matching the pump to the PV array

Runs on Free Sunlight
Driven by the PV array with no mains electricity required and no fuel cost for daily pumping

Farm & Livestock Ready
Eco-friendly clean-water supply for small farms, livestock watering and off-grid communities

TECHNICAL NOTE

Model E-SB50M48VDC (E-SB Series). Voltage DC 48V, power 400 W, current 8.0 A. Max head 50 m, max flow 3 m³/h, outlet 25 mm. Rated speed 4000 r/min; motor sealed for full submersion; self-cleaning rotor. PV array 2 × 250W (per product label). Clean water only; do not run the pump dry; observe (+) and (−) polarity when wiring, as marked on the product label.

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E-SB50M48VDC

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	E-SB50M48VDC
Series	E-SB Series
Product Type	DC submersible solar pump
Quality System	ISO 9001:2015 certified
ELECTRICAL	
Voltage	DC 48V
Power	400 W
Current	8.0 A
Power Source	Photovoltaic array · no mains required
Controller	Standard solar pump inverter (MPPT)
PV Array	2 × 250W (per product label)
HYDRAULIC PERFORMANCE	
Max Head	50 m
Max Flow	3 m^3/h
Outlet	25 mm
Rated Speed	4000 r/min

PARAMETER	SPECIFICATIONS
PUMP CHARACTERISTICS	
Motor	Sealed for full submersion
Vibration	Low, during extended operation
Rotor / Stator	Self-cleaning as the rotor turns in the stator
Water Source	Clean water only
INSTALLATION & SAFETY	
Dry Running	Do not run the pump dry
Polarity	Observe (+) and (−) when wiring
Markings	Marked on the product label
Bore-hole / Casing Size	Not available
Weight	Not available
APPLICATIONS	
Extraction	Bore-hole and deep-well extraction
Storage	Reservoir and elevated tank filling
Farm Supply	Remote farm water supply infrastructure
Community	Off-grid community water distribution
Livestock	Small farms and livestock watering

**Specifications are subject to change without prior notice.*

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