EU-PUMP IN 1.5KW

EURONET SOLAR PUMP INVERTER – 1.5kW

Single-Phase Output Solar Pump Inverter | DC & AC Input



MOTOR POWER (1PH)	OUTPUT
0.75kW	AC 1PH 0–220V
DC INPUT	AC INPUT
220–370VDC	1PH 220V ±15%
OUTPUT CURRENT	MPPT ACCURACY
7.0A	Up to 99%

OVERVIEW

The EURONET EU-PUMP IN 1.5KW is a solar photovoltaic pump inverter with single-phase output for household water supply, small farms and garden irrigation. It takes DC from the solar array (220–370VDC, 305VDC recommended working voltage) or AC 1PH 220V ±15%, and drives a single-phase pump motor of 0.75kW at 0–220V AC with 7.0A output current, with no battery needed. High-precision MPPT with accuracy up to 99%, intelligent auto-sleep with under- and over-voltage protection, and well and reservoir water-level inputs let the system run automatically.

KEY FEATURES

High-Precision MPPT
MPPT accuracy up to 99% for higher utilisation of solar energy across the 220–370VDC input range

DC & AC Input Together
Accepts DC from the solar array and AC 1PH 220V ±15% at the same time for a steady water supply

Intelligent Auto-Sleep
Auto-sleep with under-voltage and over-voltage protection, so the system runs automatically

Water-Level Inputs
DI1/DI2 well and DI3/DI4 reservoir water-level detection inputs, sharing a common COM terminal

Single-Phase Pump Output
AC 1PH 0–220V output drives a 0.75kW single-phase pump motor with a 7.0A rated output current at 220V

No Battery Required
Transforms solar DC into AC to drive the pump directly, replacing batteries with stored water

TECHNICAL NOTE

Model EU-PUMP IN 1.5KW, single-phase output. Input 220–370VDC or AC 1PH 220V ±15%, 50/60Hz; max DC input 450V; recommended working voltage 305VDC; 1 input port. Output AC 1PH 0–220V; output current 7.0A; 1PH motor power 0.75kW. Rated input current 11.1A. IP20. 186×126×163.8mm (H×W×D); mounting holes 114×174mm, Ø5mm. PV sizing about 1.2–1.5 × motor power; with 550W / 41.95VDC panels, 8 pcs per group.

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EU-PUMP IN 1.5KW

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	EU-PUMP IN 1.5KW
Product Type	Solar PV pump controller, 1PH output
Motor Power (1PH)	0.75kW
Rated Output Power	1.5 kW (model table)
Series Output Range	0.37–2.2kW (1PH)
Protection Class	IP20
INPUT	
DC Input Voltage Range	220–370VDC
AC Input	1PH 220V ±15%, 50/60Hz
Max DC Input Voltage	450V DC
Recommended Working Voltage	305V DC
Number of Input Ports	1
Rated Input Current	11.1A
DC & AC Input	Accepted at the same time
OUTPUT	
Output Voltage	AC 1PH 0–220V
Output Current	7.0A
CONTROL & PROTECTION	
MPPT	High-precision · accuracy up to 99%
Auto-sleep	Intelligent auto-sleep
Voltage Protection	Under-voltage and over-voltage

PARAMETER	SPECIFICATIONS
TERMINALS	
R(L), S(N)	AC input
U, V, W	Motor wiring
(+), (–)	Reserved for braking unit
(+), PB	Reserved for braking resistor
DI1, DI2	Well water-level detection input
DI3, DI4	Reservoir water-level detection input
COM	Water-level signal common
PHYSICAL & INSTALLATION	
Dimensions (H×W×D)	186×126×163.8mm
Mounting Holes	114×174mm · Ø5mm
Clearance	50mm sides · 100mm above & below
Orientation	Installed vertically upward
Net Weight	Not available
Package	Not available
PV ARRAY SIZING (REFERENCE)	
PV Array Power	About 1.2–1.5 × motor power
Example	550W / 41.95VDC panels · 8 pcs per group
Basis	Adjust for local irradiance and panel type
ENVIRONMENT	
Operating Temperature	Not available

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

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