

# PS150 BOOST-125

## Solar Surface Pump System

### System Overview

Head	max. 110 m
Flow rate	max. 0.50 m³/h

### Technical Data

#### Controller PS150

- Control inputs for dry running protection, remote control etc.
- Protected against reverse polarity, overload and overtemperature
- Integrated MPPT (Maximum Power Point Tracking)
- Battery operation: Integrated low voltage disconnect

Power	max. 0.30 kW
Input voltage	max. 50 V
Optimum Vmp**	> 17 V
Motor current	max. 18 A
Efficiency	max. 98 %
Ambient temp.	-30...50 °C
Enclosure class	IP65

#### Motor ECDRIVE 150-BOOST

- Maintenance-free brushless DC motor
- Premium materials, stainless steel: AL/AISI 304
- No electronics in the motor

Rated power	0.3 kW
Efficiency	max. 92 %
Motor speed	280...1,750 rpm
Insulation class	F
Enclosure class	IPX4

#### Pump End PE BOOST-125

- Premium materials: brass
- Optional: dry running protection
- Centrifugal pump

#### Pump Unit PU BOOST-125 (Motor, Pump End)

Water temperature	max. 80 °C
Suction head	max. 3 m



### Standards



2006/42/EC, 2004/108/EC, 2006/95/EC



Type Approved  
Safety  
Regular Production  
Surveillance  
IEC/EN 61010-1:2010, IEC 62103:2003, IEC/EN 60034-1:2010,  
IEC/EN 60335-2-41:2003+A1+A2,  
IEC/EN 60335-1:2012, EN 62233:2008  
IEC/EN 61000-6-4:2007+A1, IEC/EN 61000-6-2:2005

IEC/EN 61702:1995, IEC/EN 62253 Ed.1

The logos shown reflect the approvals that have been granted for this product family. Products are ordered and supplied with the approvals specific to the market requirements.

\*\*Vmp: MPP-voltage under Standard Test Conditions (STC): 1000 W/m² solar irradiance, 25 °C cell temperature

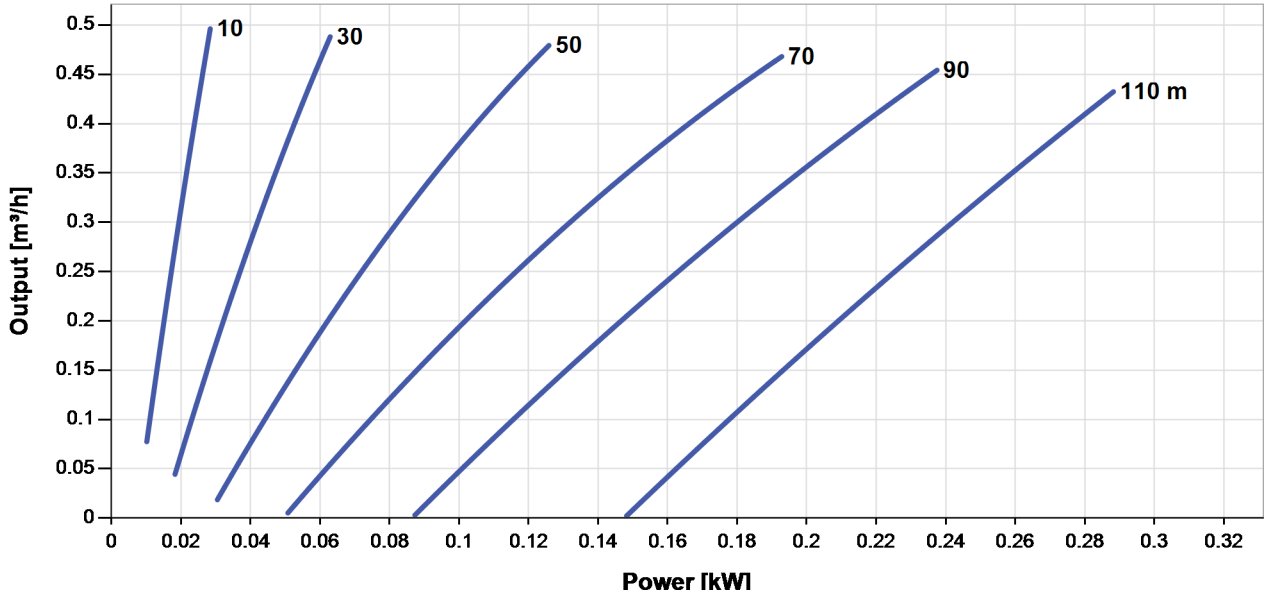


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#### Pump Chart

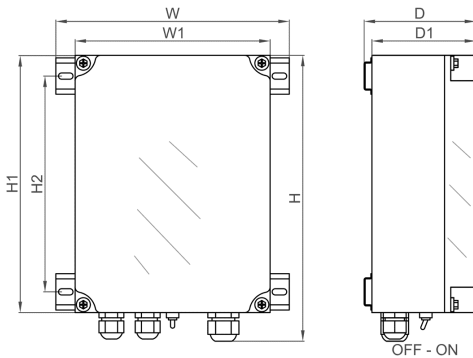
Vmp\* > 17 V



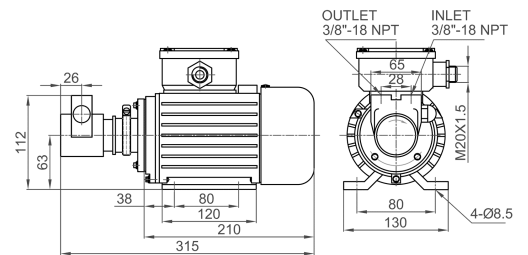
#### Dimensions and Weights

##### Controller

- H = 276 mm
- H1 = 248 mm
- H2 = 208 mm
- W = 225 mm
- W1 = 188 mm
- D = 108 mm
- D1 = 100 mm



##### Pump Unit [mm]



	Net weight
Controller	1.2 kg
Pump Unit	7.0 kg
Motor	5.0 kg
Pump End	2.0 kg

\*Vmp: MPP-voltage under Standard Test Conditions (STC): 1000 W/m² solar irradiance, 25 °C cell temperature

