

PS200 HR-14

Solar Submersible Pump System for 4"/100mm Bores

System Overview

Head	max. 20 m
Flow rate	max. 0.72 l/s

Technical Data

Controller PS200

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

Power	max. 0.30 kW
Input voltage	max. 100 V
Optimum Vmp*	> 34 V
Nominal voltage (battery operation)	24 V & 48 V***
Motor current	max. 11 A
Efficiency	max. 98 %
Ambient temp.	-30...50 °C
Enclosure class	IP54

Motor ECDRIVE 200-HR

- Maintenance-free brushless DC motor
- Water filled
- Premium materials, stainless steel: AISI 304/316
- No electronics in the motor

Rated power	0.41 HP
Efficiency	max. 92 %
Motor speed	750...3,300 rpm
Insulation class	F
Enclosure class	IP68
Submersion	max. 250 m

Pump End PE HR-14**

- Non-return valve
- Premium materials, stainless steel: AISI 304/316

Pump Unit PU HR-14 (Motor, Pump End)

Borehole diameter	min. 4,0 in
Water temperature	max. 50 °C

Standards



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

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.

