



3SSH1.8/100-D36/500

3inch Helical Rotor Solar Power Submersible Pumps

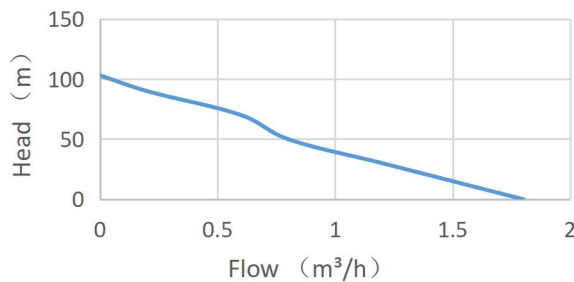
CHARACTERISTICS

PUMP SIZE	3 inch
OUTLET SIZE	0.75 inch
POWER	500 W (0.7 HP)
RATED VOLTAGE	36 VDC (20 ~ 68 VDC)
MAX. FLOW	1,800 L/HR
MAX. HEAD	100 M
PUMP LENGTH	45 CM
PACKING SIZE (L*W*H)	32*50*14 CM
G.W	9 KGS

MATERIAL

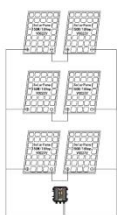
OUTLET	304 Stainless Steel
PUMP BODY	304 Stainless Steel
HELICAL ROTOR	304 Stainless Steel
MOTOR	Permanent Magnet Brushless DC Motor, Oil-filled
CONTROLLER SHELL	Die-cast Aluminum Enclosure (IP65)
CONTROLLER	32Bit MCU / FOC / Sine Wave Current / MPPT

PERFORMANCE

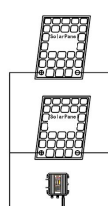


Head(m)	103	90	70	50	30	10	0
Flow(m³/h)	0	0.2	0.6	0.8	1.2	1.6	1.8

SOLAR PANEL CONFIGURATION



Panel Voltage =18 Vmp / 22Voc
 Unit Panel Power=150W
 Panel Quantity=6PCS



Panel Voltage =36 Vmp / 44 Voc
 Unit Panel Power ≥ 350W
 Panel Quantity=2PCS



KEY FEATURES

- EC DRIVE DC brushless motors, designed for solar with over 90% efficiency;
- Solar connects directly, without battery;
- 96%-99% MPPT maximise power use from PV modules;
- Fast return on investment, Free-maintaining;
- Strong ROI against diesel powered pumping reducing production costs and reducing carbon footprint;
- Fast and simple installation, direct replacement for an existing Submersible pump;
- Smart modular design for simple and cost effective servicing;
- High quality non corrodible materials used throughout, Cast stainless steel components;



