

4SSPC14/320-AD380/7.5KW

4inch Centrifugal Solar AC/DC Submersible Pumps

CHARACTERISTICS

| | |
|---------------|--|
| DIAMETER | 4 inch |
| DISCHARGE | 1.5 inch |
| CAPACITY | 7,500 W (10 HP) |
| RATED VOLTAGE | 380 V (300 ~ 750 Vdc) / (380 ~ 480Vac) |
| RATED CURRENT | 15 A |
| MAX. FLOW | 14,000 L/HR |
| MAX. HEAD | 320 Mtrs. |
| RATED FLOW | 7,000 L/ HR |
| RATED HEAD | 225 Mtrs. |

PUMP INFORMATION

| | |
|------------|---------------------------------------|
| MOTOR | Permanent Magnet Synchronous DC Motor |
| OUTLET | 304 Stainless Steel |
| PUMP BODY | 304 Stainless Steel |
| IMPELLER | Reinforced Nylon |
| MOTOR BODY | 201 Stainless Steel |
| SCREW | 304 Stainless Steel |
| SHAFT | 304 Stainless Steel |
| WINDING | Copper wire |

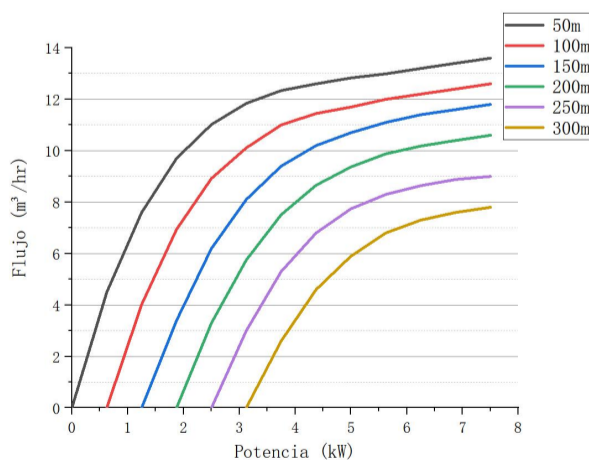
CONTROLLER INFORMATION

| | |
|--------------|--|
| ENCLOSURE | Stretching Aluminum |
| IP GRADE | IP54 |
| CONTROL MODE | 32Bit MCU / FOC / Sine Wave Current / MPPT |
| COOLING MODE | Heat Dissipation By Fan |

| | |
|----------------------|-------------------------|
| PROTECTION FUNCTIONS | Anti-Reverse Protection |
| | Phase loss |
| | Under-voltage |
| | Over-voltage |
| | Over-current |
| | Overload |
| Short circuit | |

| | |
|-----------------------|-------------------------------------|
| OPERATING TEMPERATURE | -15°C - +60°C (Suggest 0°C - +50°C) |
|-----------------------|-------------------------------------|

PERFORMANCE

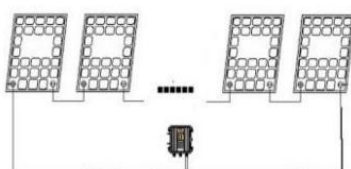


KEY FEATURES

- EC DRIVE PMSM, 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;



SOLAR PANEL CONFIGURATION



UNIT PANEL VOLTAGE = 42 Vmp / 51.7 Voc

UNIT PANEL POWER ≥ 500 W

PANEL QUANTITY = 11 PCS IN SERIES AND 2 IN PARALLEL