



SOLAR BORE PUMPS

RSB SERIES

REEFE Solar Powered Submersible Bore Hole Pumps offer the ultimate in energy efficiency using 100% renewable energy directly from the sun. Includes easy to use MPPT maximum efficiency start controller. The pre-coupled quality and reliable 100% tested motor / pump assembly, means you can be up and running quickly. This specific range offers models with either helical rotor or centrifugal impellers.

APPLICATIONS

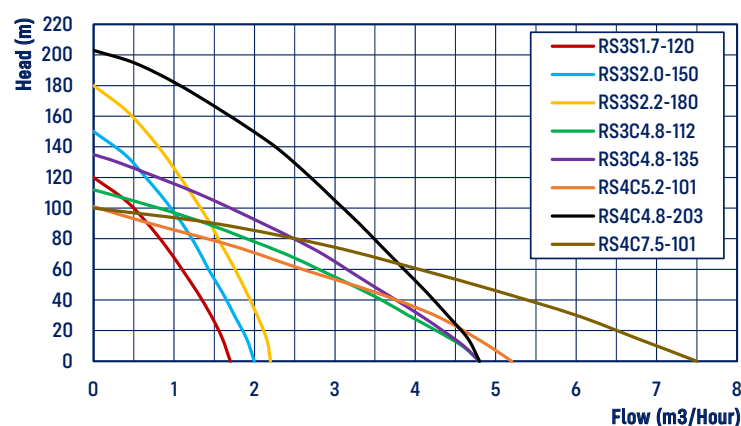
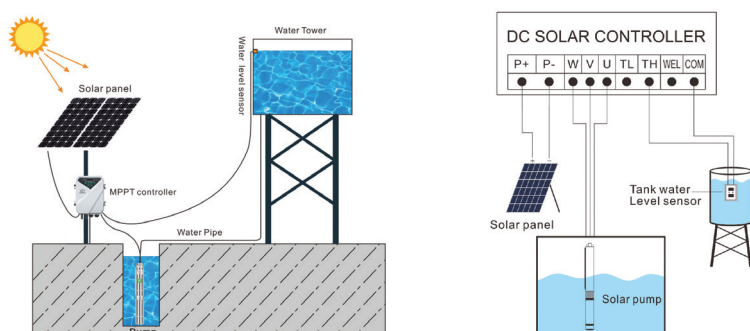
- Submersible bore hole installations
- Stock watering
- Tank filling
- Water supply
- Water transfer

FEATURES & BENEFITS

- Automatic restarting for minimal user intervention. Starts and stops each morning and evening
- Loss of prime function for pump protection
- Under and over voltage protection to prevent damage to motor
- MPPT tracking for efficient low light operation
- Soft start function to remove water hammer on hydraulic system

CONSTRUCTION

- Stainless Steel construction of motor casing, pump casing, impellers, oil cylinder, coupling and fixings
- Quality NSK bearings
- Stainless steel helical shaft with rubber displacement body
- Permanent magnet DC brushless synchronous motor
- IP65 controller
- 2m Cable Length



DC Controller



SCREW



Screw



SS Oil Cylinder



NSK Bearing



CENTRIFUGAL



SS Impeller



SS Oil Cylinder



NSK Bearing

| CODE | MODEL | PUMP DIA | IMPELLER TYPE | POWER | | | | MAXIMUM | | SOLAR PANELS REQUIRED | OUTLET | | WEIGHT (KG) | SIZE DØ X H (MM) |
|-------|-------------|----------|---------------|-------|-----------------------|-------|----------------------|--------------|----------|-----------------------|--------|------|-------------|------------------|
| | | | | VOLTS | BEST INPUT DC VOLTAGE | WATTS | OPEN CIRCUIT VOLTAGE | FLOW (M³/HR) | HEAD (M) | | MM | IN | | |
| 35009 | RS3S1.7-120 | 3" | Screw | 48V | 60V-90V | 500 | <100V | 1.7 | 120 | 2x330w | 25 | 1" | 9 | 76x418 |
| 35016 | RS3S2.0-150 | 3" | Screw | 72V | 90V-120V | 750 | <150V | 2.0 | 150 | 3x330w | 25 | 1" | 9 | 76x418 |
| 35023 | RS3S2.2-180 | 3" | Screw | 72V | 90V-120V | 1100 | <150V | 2.2 | 180 | 6x330w | 25 | 1" | 9 | 76x418 |
| 35030 | RS3C4.8-112 | 3" | Centrifugal | 110V | 110V-150V | 1100 | <200V | 4.8 | 112 | 6x330w | 32 | 1 ¼" | 14.5 | 76x702 |
| 35047 | RS3C4.8-135 | 3" | Centrifugal | 110V | 110V-150V | 1500 | <200V | 4.8 | 135 | 8x330w | 32 | 1 ¼" | 15 | 76x762 |
| 35054 | RS4C5.2-101 | 4" | Centrifugal | 110V | 110V-150V | 1100 | <200V | 5.2 | 101 | 6x330w | 32 | 1 ¼" | 14.6 | 98x605 |
| 35061 | RS4C4.8-203 | 4" | Centrifugal | 110V | 110V-150V | 1500 | <200V | 4.8 | 203 | 8x330w | 32 | 1 ¼" | 17.1 | 98x788 |
| 35078 | RS4C7.5-101 | 4" | Centrifugal | 110V | 110V-150V | 1500 | <200V | 7.5 | 100 | 8x330w | 32 | 1 ¼" | 14.5 | 98x605 |