Solar powerd Suriace RIILIS our regatiol
$+2023$

## To the American Farmer, Grower, \& Do-it-Your-Selfer,

To those not afraid of hard work. Not afraid of rolling up their sleeves and fixing something broken or building something new. To those that honor their land, their animals and their heritage. To those growing food, feeding animals, harvesting power from the sun and pumping their own water. To pioneers and problem solvers. To self reliance and independence.
We here at RPS Solar Pumps salute you.

## Cheers to you.



## Gallons Per Minute (GPM)



个Solar Array Size (\# of Panels) $=$ 个Runtime / Gallons Per Day
The greater the solar array size, the longer you'll be able to run the pump, effectively increasing the gallons per day produced. Turn to

## Table of Contents

Consider this book your go-to reference guide on all things surface solar pumping. Not only will you find the most complete list of RPS Surface Pumps, but a crash course in Off-Grid Irrigaiton - everything from guidance on the type of emitters to use to creating water pressure with the Earths gravity. It represents one small part of our steadfast commitment to help arm you with the tools and know-how to install a solar-powered water pump yourself!
GUIDE TO SOLAR PUMP IRRIGATION
Determine Daily Water Requirements. ..... 5-8
Irrigation Zones ..... 9
Diagrams, Examples
Determining Pressure (PSI) ..... 10
Diagrams, Sizing
Gravity Fed Irrigation ..... 13Diagrams, CalculationsHow to Order28
BEST-SELLING PRODUCTS
Overview of Daytime Direct Pumps ..... 17
RPS Solar Transfer Pump ..... 18
Pro GB Booster ..... 19
Pro Irrigation Surface Pump ..... 20
Overview of Anytime Pumps ..... 21
12 HP Eco Steady ..... 22
High Pressure Tankless Pressure Pump. ..... 23
Original Tankless Pressure Pump ..... 24
2 HP Eco-Steady Booster Pump ..... 25
3 HP Eco-Steady Booster Pump ..... 26
Cattemen

## World-Class

 Videos Available on YouTubeWhen you see this icon on a product page it means we've created a great in-depth video to better demonstrate the product and installation. Find hours of great material and training at youtube.com/RPSSolarPumps

$$
\begin{aligned}
& \text { WATCH ON } \\
& \text { YOUTUBE }
\end{aligned}
$$

## Want More?

There's plenty more we couldn't fit in here. For more insider knowledge, visit the industry's largest archive of solar pump related material at
RPSsolarpumps.com/LEARN

As seen on and used by...


BOYCE THOMPSON ARBORETUM


## WHICH SOLAR PUMP SYSTEM IS RIGHT FOR YOU?

This catalog is designed to help you create a plan that works with the your unique water sources, property and available sun. Our goal is to be able to recommend not just a pump, but a full solar pump system with a properly sized solar array and/or battery bank to accommodate your needs. Options include Daytime Only pump systems that 'direct drive' on solar for irrigation during the solar day, Anytime pump systems incorporate batteries for flexible pump schedules and Dual Pump systems that incorporate both. All pump systems have some sort of AC backup power hookup as well!


## NEXU SIIEPS...

Task 1: Determine Gallons Per Day needed (GPD). If you have GPM, multiply that by Minutes of Runtime per Day. (see pages 3-5, labeled Task 7, for more details)

Task 2: Determine Pressure (psi) needed for your site and desired type of irrigation. Ex. drip, emitters, sprinklers. (see coming pages 7 \& 8, labeled Task 2 for more details on pressure)

## TASK 1 DETERMINE GALLONS PER DAY NEEDED

The numbers below are just estimates, you'll have to determine what kind of watering schedule works for your land and goals. Estimate down if you're planning a low water use regime. We recommend starting with estimating for worst case scenario when you'll need the most water, usually a hot summer day.


| Plant or Canopy Area to water | Square Feet (sqft) | Cool day Early spring Late fall | Warm day Spring or fall Some fog | Hot day Summer No fog |
| :---: | :---: | :---: | :---: | :---: |
| ETo (Inches / day ) |  | 0.1 | 0.2 | 0.25 |
| Trees |  |  |  |  |
| 1 year old Fruit / Nut tree (4 sqft) | 4 | 0 | 1 | 1 |
| 2 year old Fruit / Nut tree (10 sqft) | 10 | 1 | 2 | 2 |
| 3 year old Fruit / Nut tree ( 36 sqft) | 36 | 3 | 5 | 7 |
| 10 Semi-Dwarf mature or 4 year old (1000 sqft) | 1000 | 75 | 150 | 188 |
| 25 Grapevine Mature (2000 sqft) | 2000 | 150 | 300 | 375 |
| 10 Large Mature Tree (3000 sqft) | 3000 | 225 | 450 | 563 |
| 1/2 Acre Young Trees, 50\% Cover | 10890 | 817 | 1634 | 2042 |
| Row Crops |  |  |  |  |
| 2 feet wide 100 feet row Raspberry (200 sq. feet) | 200 | 15 | 30 | 38 |
| 4 feet wide 100 foot row Strawberry ( 400 sqft ) | 400 | 30 | 60 | 75 |
| 5 rows, 2 feet wide, 100 foot row Tomatoes (1000 sqft) | 1000 | 75 | 150 | 188 |
| 30 rows, 2 feet wide, 100 foot row Tomatoes (6000 sqft) | 6000 | 450 | 900 | 1125 |
| 1 acre Broccoli in Rows, 50\% Cover | 21780 | 1634 | 3267 | 4084 |
| Larger Estimates |  |  |  |  |
| 1/2 acre Solid Cover (Canopy or Ground Cover) | 21,780 | 1,634 | 3,267 | 4,084 |
| 1 acre Solid Cover (Canopy or Ground Cover) | 43,560 | 3,267 | 6,534 | 8,168 |
| 2 acres Solid Cover (Canopy or Ground Cover) | 87,120 | 6,534 | 13,068 | 16,335 |
| 5 acres Solid Cover (Canopy or Ground Cover) | 217800 | 16,335 | 32,670 | 40,838 |

Estimates listed above are for rough planning purposes. Adjustments may be neecied depending on land, topography, climate, and crops. Consult local experts or your state's university agricultural documentation.
A few Water Use Adjustments as examples: Add 50\% Leafy Lettuce, Rice, Alfalfa | Add 25\% Celery, Strawberries, Melons |
Subtract 25\% Carrots, Cauliflower, Tomatoes

## TASK 1 DETERMINE GALLONS PER DAY NEEDED

If you need to add in any additional uses like drinking water or livestock, apply the estimates to the right. Add up all water needs and compare the final number to the below charts.

You'll notice that gallons per day decreases as pressure increases. decreases as pressure increases. Higher pressure and high gallon per minute flow rates typically require more power to operate the pump. Practically all of our pumps can be upgraded with more solar panels and /or batteries. If you plan on expanding operations in the future our pumps can grow with your ambitions! ANYTIME PUMPS can increase their run time, and therefore their gallons per day, by adding panels and batteries. DAYTIME PUMPS can increase runtime into the early morning and later afternoon by adding panels.

## Daytime Solar Pump Gallon Per Day Estimates (6 Hours)

|  | Transfer Pump <br> T400 | Transfer Pump T800 | GB Booster $1 / 2$ HP 05GB07 | $\begin{gathered} \text { Pro Surface } \\ 3 / 4 \mathrm{HP} \\ \mathbf{S 7 5 0} \end{gathered}$ | $\begin{gathered} \text { Pro Surface } \\ 1 \mathrm{HP} \\ \text { S1000 } \end{gathered}$ | Pro Surface 1 1⁄2 HP S1500 | $\begin{aligned} & \text { Pro Surface } \\ & 2 \mathrm{HP} \\ & \text { S2000 } \end{aligned}$ | $\begin{gathered} \text { Pro Surface } \\ 3 \mathrm{HP} \\ \$ 3000 \end{gathered}$ | $\begin{gathered} \text { Pro Surface } \\ 3 \mathrm{HP} \\ \text { S5000 } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Low-Pressure (0-30 PSI) | 3,204 | 4,536 |  | 15,480 | 21,600 | 22,680 | 30,960 | 37,800 | 79,200 |
| Mid-Pressure (30-45 PSI) |  | 2,340 | 2,520 | 12,240 | 18,720 | 21,600 | 28,440 | 33,480 | 54,000 |
| High-Pressure (45-60 PSI) |  |  | 1200 |  |  |  | 14,400 | 16,200 | 25,200 |

## Anytime Pump Gallon Per Day Estimates (6 Hours)

|  | Eco-Steady $1 / 2$ HP BPO5-4 | Eco-Steady $1 / 2 \mathrm{HP}$ BPO5-8 | Eco-Steady $1 / 2$ HP BPO5-12 | Eco-Steady 1 HP BP1-8 | Eco-Steady 1 HP BP1-12 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Low-Pressure | 1,901 | 4,752 | 7,128 | 4,950 | 7,425 |
| Mid-Pressure | 1,056 | 2,534 | 3,802 | 2,851 | 4,277 |
| High-Pressure |  |  |  | 1,320 | 1,980 |


|  | TPP - 8 | TPP - 12 | Eco-Steady 2 HP BP2-12 | Eco-Steady 2 HP BP2-24 | Eco-Steady 3 HP BP3-36 | Eco-Steady 3 H BP3-24 | $\begin{gathered} \text { Eco-Steady } 3 \text { HP } \\ \text { BP3- } 36 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Low-Pressure | 5,940 | 8,910 | 7,128 | 14,256 | 21,384 | 19,800 | 29,700 |
| Mid-Pressure | 3,643 | 5,465 | 4,400 | 8,800 | 13,200 | 12,263 | 18,395 |
| High-Pressure |  |  |  |  | 8,910 | 6,789 | 10,183 |

## task 1.A DETERMINE GALLONS PER MINUTE

## Drip Line Zones

0.5 GPM per 100' Dripline *

* Example Manufacturer Specs

Zone :
6 Rows of 500'
$=3000^{\prime}$ Drip Line

* 0.5 GPM/100'
$=15$ GM


Zone 2:
6 Rows of $300^{\prime}=1,800^{\prime}$ Drip Line $* 0.5 \mathrm{GPM} / 100^{\prime}=9 \mathrm{GPM}$
Select Surface Pump that can provide 15 GPM at 20psi
Accommodates both Zones

## Micro Sprinklers

0.5 GPM at 30 psi Per Emitter *

* Example Manufacturer Specs

1 Zone of 30 Emitters ( 3 rows of 10 )

$$
=15 \text { GPM at } 30 \text { psi }
$$

Select Well Pump that can provide 15 GPM at 30psi


## Ratchet Sprinklers

10 GPM at 45 psi Per Head *

* Example Manufacturer Specs

1 Zone (3 Sprinklers) $=30$ GM at 45 psi

Select Surface Pump that can provide 30 GPM at 45 psi


## THE MAGIC OF IRRIGATION ZONES

## The Sprint

Grid-Tied AC systems have been traditionally sized as 'bigger is better'. The electrical grid will allow high Horsepower Pumps to operate for short periods of time - a 10HP pump producing 400 GPM for 10 minutes is no problem, but uses a lot of energy. While RPS does carry some solar pumps that pump 400 GPM, we typically recommend another option of a smaller pump and an irrigation schedule spread over the full solar day.

## The Solar Marathon

When designing a Solar Pump System we try to optimize for the entire length of a 'Solar Day' (ie. the daylight hours when the most solar power is being collected, 5-8 hours depending on location and season). To create systems that best take advantage of the FREE solar power all day long, the best bang for your buck is most commonly a smaller Horsepower pump. The solar pump operates over a longer period of time to better coincide with the Solar Day.

| Type | GPM Needed |
| :--- | :---: |
| Small Emitters | 0.5 to 0.9 GPH |
| 100' Drip Tape | 0.5 GPM |
| 25' Soaker Hose | 2 to 3 GPM |
| Small Sprinkler <br> Heads | 2 to 3 GPM |
| Lawn Sprinkler | 4 to 6 GPM |
| Center Pivots / <br> Guns | 30 to 400 GPM |

Pair Irrigation Zones with the solar pump. Zones usually involve automatic or manual valves separating off lengths of drip lines, sprinklers, or rows so they can each be watered one at a time for the optimal GPM and pressure needed for the crops in that area. Zones ensure proper GPM and pressure to hoses, drip lines, and sprinklers by creating 'groups' in your plumbing - choose a kit that has the right number of zones for you!

Example: An orchard watering system requires 100GPM for 1 Hour Per day. Breaking watering into 5 zones allows us to run 20 GPM to each zone for 1 hour delivering the same water over a longer period of time.

## TASK 2 DETERMINE PRESSURE (PSI) NEEDED

SELECT YOUR TYPE OF PRESSURE

| Type | Pressure | Type | Pressure |
| :--- | :--- | :--- | :--- |
| Drip Lines / Cattle Waterers | 20 psi | Soaker Hose | 45 psi |
| Cabin / RV | 30 psi | Sprinklers | 45 psi |
| Small Sprinkler / Emitters | 35 psi | Larger Sprinklers | 60 psi |
| Household | $40-60$ psi |  |  |

DAYTIME 100+psi SOLAR PUMPS

Ex. 1 - For daytime pumping find the point on that graph that matches your gallons per minute to the type of pressure required for your system. For examplea 20 PSI, 25 GPM setup matches with at least a Pro S750.


ANYTIME PUMPS w/ Batteries

Ex. 2 - if you need a 45 PSI setup at 40 GPM after the sun sets, chose the Eco-Steady Boost 3 HP, BP3. The pump could also perform at higher PSI, but you would give up some GPM. At 60 PSI the 3 HP will provide about 29 GPM.


## MATCHING PSI \& WATER ESTIMATES TO A SOLAR PUMP

Gardeners, food foresters, homesteaders, ranchers- they're all trying to get the best bang for their buck while also planning to expand operations in the future. You may only use drip lines now, but in the next two years plan on watering pastures with 60 PSI sprinklers. RPS recommends sizing up to the next most powerful model if you know that you'll need a bit more power in the future. If the High Pressure TPP fits current needs but is insufficient for future irrigation, choose the BP2 Eco-Steady Booster 2 HP.

## DAYTIME Solar Pumps

|  | 1/8 acre | 1/4 acre | 1/2 acre | 3/4 acre | 1 acre | 1.5 acre | 2 acres | 3 acres | 4 acres | 5 acres | 5+ acres |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Drip } \\ & \text { 20psi } \end{aligned}$ | T400 | T800 | T800 | $\begin{aligned} & \text { Pro } \\ & \text { S750 } \end{aligned}$ | $\begin{aligned} & \text { Pro } \\ & \text { ST000 } \end{aligned}$ | $\begin{gathered} \text { Pro } \\ \text { S1000 } \end{gathered}$ | $\begin{gathered} \text { Pro } \\ \text { S1500 } \end{gathered}$ | $\begin{aligned} & \text { Pro } \\ & \text { S1500 } \end{aligned}$ | $\begin{gathered} \text { Pro } \\ \text { S2000 } \end{gathered}$ | $\begin{gathered} \text { Pro } \\ \text { S3000 } \end{gathered}$ | $\begin{aligned} & \text { Pro } \\ & \text { S5000 } \end{aligned}$ |
| $\begin{gathered} \text { Micro } \\ \text { Sprinklers } \\ \text { 30psi } \end{gathered}$ | T800 | T800 | $\begin{aligned} & \text { Pro } \\ & \text { S750 } \end{aligned}$ | $\begin{aligned} & \text { Pro } \\ & \text { S750 } \end{aligned}$ | $\begin{gathered} \text { Pro } \\ \text { S1000 } \end{gathered}$ | $\begin{gathered} \text { Pro } \\ \text { S1500 } \end{gathered}$ | $\begin{gathered} \text { Pro } \\ \text { S2000 } \end{gathered}$ | $\begin{gathered} \text { Pro } \\ \text { s2000 } \end{gathered}$ | $\begin{gathered} \text { Pro } \\ \text { S3000 } \end{gathered}$ | $\begin{gathered} \text { Pro } \\ \text { S3000 } \end{gathered}$ | $\begin{gathered} \text { Pro } \\ \mathrm{S} 5000 \end{gathered}$ |
| Sprinklers <br> 45psi | Pro 05GB05 | $\begin{gathered} \text { Pro } \\ \text { O7GB05 } \end{gathered}$ | $\begin{gathered} \text { Pro } \\ 10 \mathrm{GB07} \end{gathered}$ | $\begin{gathered} \text { Pro } \\ \text { S1500 } \end{gathered}$ | $\begin{gathered} \text { Pro } \\ \text { S1500 } \end{gathered}$ | $\begin{gathered} \text { Pro } \\ \text { S2000 } \end{gathered}$ | $\begin{gathered} \text { Pro } \\ \text { s2000 } \end{gathered}$ | $\begin{gathered} \text { Pro } \\ \text { S3000 } \end{gathered}$ | $\begin{gathered} \text { Pro } \\ \text { S3000 } \end{gathered}$ | $\begin{gathered} \text { Pro } \\ \text { S5000 } \end{gathered}$ | $\begin{gathered} \text { Pro } \\ \text { S5000 } \end{gathered}$ |
| $\begin{aligned} & \text { Big Gun } \\ & \text { Sprinklers } \\ & \mathbf{6 0 p s i} \end{aligned}$ | $\begin{gathered} \text { Pro } \\ \text { 05GB05 } \end{gathered}$ | $\begin{gathered} \text { Pro } \\ 07 \mathrm{GB05} \end{gathered}$ | $\begin{gathered} \text { Pro } \\ \text { 10GB07 } \end{gathered}$ | $\begin{gathered} \text { Pro } \\ \text { 18GB20 } \end{gathered}$ | $\begin{gathered} \text { Pro } \\ \text { 18GB20 } \end{gathered}$ | $\begin{gathered} \text { Pro } \\ 25 \mathrm{~GB} 30 \end{gathered}$ | $\begin{gathered} \text { Pro } \\ 33 G B 30 \end{gathered}$ | $\begin{gathered} \text { Pro } \\ \mathrm{S} 5000 \end{gathered}$ | $\begin{gathered} \text { Pro } \\ \mathrm{S} 5000 \end{gathered}$ |  |  |

1/4" Water Per Day = 6,789 gal/acre

## ANYTIME SOLAR PUMP w/ Batteries

|  | 1/8 acre | 1/4 acre | 1/2 acre | 3/4 acre | 1 acre | 1.5 acre | 2 acres | 3 acres | 3+ acres |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Drip } \\ & \text { 20psi } \end{aligned}$ | BPO5-4 | BPO5-8 | BPO5-12 | TPP - 8 | TPP - 12 | TPP - 12 | BP2-36 | BP3-36 | BP3-36 |
| Micro Sprinklers 30psi | BPO5-8 | BPO5-8 | TPP - 8 | TPP - 12 | TPP - 12 | BP2-24 | BP2-36 | BP3-36 |  |
| Sprinklers 45psi | $\begin{gathered} \text { TPP-HP - } \\ 8 \end{gathered}$ | $\begin{array}{\|c} \text { TPP-HP } \\ 12 \end{array}$ | $\left\|\begin{array}{c} \text { TPP-HP } \\ 12 \end{array}\right\|$ | BP2-24 | BP2-24 | BP3-24 | BP3-36 |  |  |
| Big Gun Sprinklers 60psi | BP2-24 | BP2-24 | BP3-24 | BP3-24 | BP3-24 | BP3-36 |  |  |  |

## Over 10 acres of irrigated crops? Need more than 400 GPM?

There still may be ways to get creative with multiple pumps or a line of BIG AG PUMPS so don't be bashful in calling our pump specialists but most RPS customers are under these thresholds.

| Size of Irrigated Area | GRAVITY or Daytime Direct-Drive or Surface Pumps Under 150' Head** | DUAL PUMP SYSTEM <br> Anytime Pumps with Batteries Under 300' Head** |
| :---: | :---: | :---: |
| $100^{\prime} \times 100^{\prime}$ | 1/2-3/4 HP | 1/4 HP \& 7/2 HP |
| 1/2 acre | 1/2-3/4 HP (Pro Series) | 1/4 HP \& 7/2 HP |
| 1 acre | 1 HP (Pro Series) | $1 / 2 \mathrm{HP} \& 1 / 2 \mathrm{HP}$ |
| 2 acres | 2 HP (Pro Series) | 1 HP \& 1 HP |
| 3 acres | 3 HP (Pro Series) | 1 HP \& 2 HP |
| 5 acres | 5 HP (Pro Series) | 2 HP \& 3 HP |
| 10 acres | $2 \times 5$ HP (Pro Series) | Getting too Large for Batteries |

[^0]| Gallons Per Minute (GPM) | Daytime Direct-Drive Well Pumps No Head and Max | Daytime Surface Pumps Under 15' Suction |
| :---: | :---: | :---: |
| 5-10 GPM | $1 / 2$ HP (Pro 500D) and up | 3/4 HP (Pro S750) |
| 20 GPM | 1/2 HP (Pro 500V) and up | 1 HP Surface (Pro S1000) |
| 50 GPM | 1.5 HP (Pro 1500V) and up | 2 HP Surface (Pro S2000) |
| 100 GPM | 3 HP (Pro 3000V) and up | 3 HP Surface (Pro S3000) |
| 200 GPM | 5 HP (Pro 5000V) and up | 5 HP Surface (Pro S5000) |
| 400 GPM | 2x Pro 5000V <br> Assuming Large Casing Diameter | $2 \times 5$ HP Surface <br> Plumbed in Parallel |

Need higher Gallons Per Minute? Your sizing specialist will normally talk through breaking your watering into zones with higher GPM irrigation requests. If you can do zones, with 6 hours+ of solar oumping time, you can run 6 different zones for an hour each and accomplish the same water

## GRAVITY if you GOT IT!

Solar \& Gravity are perfect teammates! Your solar pump moves water up to the tank during daylight hours where the water will wait, 24 hours a day, until whenever you need to irrigate.

50' elevation is enough for 20 PSI drip lines! Place a check valve at the well-head and plumb to the lower outlet of the storage tank. Locate the tank 50' to 100' above the irrigation area and you'll have pressurized water between the check valve and the tank, 1 psi for each 2.31' of elevation whether or not the pump is on ( $20 \mathrm{psi}=46$ feet of elevation needed).

Under 50' of elevation on your property? You'll have 2 options for irrigation water.

- Daytime Watering - Irrigate direct from water source during the day when the sun is shining! The simplest and most affordable technique - no batteries and no tanks
- Dual Pump System - With your Source-to-Tank pump as much water as possible from water source to a tank when you have sun. With your Tank-to-Pressure pump, you'll solar charge batteries during the day, then use that power whenever you need to irrigate.



## THE OLD WAY

Older systems with grid power have a single, larger pump that fights both battles - fighting gravity to get water up and out of the well, and then pressurizing it (inflating the bladder inside the pressure tank). This means the pump works twice as hard and uses more energy. The size of the pump can be thought of as half for the 'lift' out of the well, and half for generating the 'pressure' needed for the irrigation. It relies on grid power being available at all times. Example: Old 2HP = Half for lift, Half for pressure


## POPULAR

## DUAL PUMP SYSTFEMS <br> MOST COMMON OFF-GRID IRRIGATION TECHNIQUE

With increased efficiency and reliability, having 2 pumps on your property gains great independence and resilience. With your Source-to-Tank pump as much water as possible from water source to a tank when you have sun. A sensor keeps the tank from overflowing. With your Tank-to-Pressure pump, you'll solar charge batteries during the day, then use that power efficiently whenever you need to irrigate for fine tuned GPM and pressure whether or not the sun is shining at that moment.


## DUAL PUMP SYSTMEM

 MOST COMMON OFF-GRID IRRIGATION TECHNIQUE

# Water Level in Tank <br> Similar Graph to Solar Charged Battery <br> Capacity 

Water Tanks and Batteries
Fill Quickly in the Middle of the Day!

Sunset
11pm
1am

## Field Support, Whenever You Need it.

RPS Solar Pump Kits are for people that believe in getting the job done themselves, and getting it done right. Our goal is to arm you with the equipment and knowledge to take control of your water, and save a fistful of money doing it.

Whether you've just cracked open your solar pump kit, gotten your first solar water flowing, or have questions in the years to come, our team of expert engineers are standing by with one job: to help you.

And if that's not enough to get you excited, our full-color step-by-step RPS user manual with troubleshooting flowchart is massively popular with customers.

## caticmen

# Daytime Direct-Drive Solar Pumps 

No Batteries but optional backup with Generator or AC

Transfer Pump<br>T400, T800

Pro GB Booster
Pro GB
Pro Irrigation
Pros

Solar
Power

400w-800w
800w-3200w
800w-7500w

Generator/ AC
Backup

Plumbing

Horse-
power (HP)

Common Uses

110V Generator with Converter

1" Outlet

1/2 to
1 HP

220 V
Generator
1.25" Outlet

1 HP

220 V
Generator

## 1.5"-3" Outlet

$3 / 4$ to
5 HP

Tank Transfer, Irrigation

## High Head Tank Transfer, High Pressure <br> Larger Irrigation, Farms, Center <br> Pivots

| Gallon Per Day / Gallon Per Minute |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1,800 GPD | 2,520 | 3,600 | 5,400 | 7,200 | 9,000 | 10,800 | 14,400 | 18,000 | 27,000 | 36,000 | 54,000 | 72,000 |
| ¢ | 5 GPM | 7 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 75 | 100 | 150 | 200 |
| 10 | T400 | T400 | T800 | Pro S750 | Pro S750 | Pro S750 | Pro S750 | Pro S750 | Pro S1500 | Pro S2000 | Pro S3000 | Pro S5000 | Pro \$5000 |
| 15 | T400 | T800 | T800 | Pro S750 | Pro S750 | Pro S750 | Pro S750 | Pro S1000 | Pro S1500 | Pro S2000 | Pro S3000 | Pro S5000 | Pro S5000 |
| 20 | T400 | T800 | T800 | Pro S750 | Pro S750 | Pro S750 | Pro S1000 | Pro S1500 | Pro S2000 | Pro S2000 | Pro S3000 | Pro S5000 | Pro \$5000 |
| 25 | T800 | T800 | Pro S750 | Pro S750 | Pro S750 | Pro S1000 | Pro S1000 | Pro S1500 | Pro S2000 | Pro \$3000 | Pro S3000 | Pro S5000 | Pro \$5000 |
| 30 | T800 | T800 | Pro S750 | Pro S750 | Pro S1000 | Pro S1000 | Pro S1000 | Pro \$2000 | Pro S2000 | Pro \$3000 | Pro S5000 | Pro \$5000 | Pro \$5000 |
| 35 | T800 | Pro 07GB05 | Pro S750 | Pro S750 | Pro S1000 | Pro S1000 | Pro S1500 | Pro \$2000 | Pro S3000 | Pro $\$ 3000$ | Pro S5000 | Pro 55000 |  |
| 40 | T800 | Pro 07GB05 | Pro S750 | Pro S1000 | Pro S1000 | Pro S1500 | Pro S1500 | Pro \$3000 | Pro S3000 | Pro $\$ 3000$ | Pro S5000 | Pro 55000 |  |
| 45 | Pro 05GB05 | Pro 07GB05 | Pro 10GB07 | Pro S1500 | Pro S1500 | Pro S1500 | Pro S2000 | Pro \$3000 | Pro S3000 | Pro \$5000 | Pro S5000 |  |  |
| 50 | Pro 05GB05 | Pro 07GB05 | Pro 10GB07 | Pro S1500 | Pro S1500 | Pro S2000 | Pro $\$ 2000$ | Pro \$3000 | Pro S3000 | Pro \$5000 |  |  |  |
| 55 | Pro 05GB05 | Pro 07GB05 | Pro 10GB07 | Pro S3000 | Pro S3000 | Pro \$3000 | Pro S3000 | Pro \$5000 | Pro 55000 | Pro $\$ 5000$ |  |  |  |
| 60 | Pro 05GB05 | Pro 07GB05 | Pro 10GB07 | Pro 18GB20 | Pro 18GB20 | Pro 25GB30 | Pro 33GB30 | Pro $\$ 5000$ | Pro $\$ 5000$ |  |  |  |  |
| 100 | Pro 05GB05 | Pro 07GB05 | Pro 10GB10 | Pro 18GB20 | Pro 18GB20 | Pro 25GB30 | Pro 33GB30 |  |  |  |  |  | 17 |
| 200 | Pro 05GB10 | Pro 05GB10 | Pro 10GB20 | Pro 18GB30 |  |  |  |  | Double Barre | Pumps in Par | el for More | M or GPD |  |

## RPS Solar HEAD GPM COST

## Transfer Pump



With our same best-selling RPS pump controller and a brushless motor, this pump offers small to medium scale surface/transfer/booster pumping with ease. Stainless steel impeller housing and impeller means it won't wear out. This solar direct-drive system can attach to the outlet of any storage tank or suctions up to 15 ', drawing water up from ponds, springs, creeks and shallow wells. Pressurize water systems for irrigation or cattle waterers, but compare with Tankless Pressure Pump if 24 hours water pressure is needed as that system uses batteries and can pump outside the 'solar day'. Will pressurize to about 40psi during full sun. Choose between a four panel (T400) or an eight panel (T800) system.

## Kit includes:

- 100w Mono-crystalline Solar Panels
- RPS Surface Centrifugal Transfer Pump
- RPS Universal Pump Controller
- $1 \times$ Low-water Well Level sensor with 100 ft wire attached
- $1 x$ Tank Shut-off sensor with 100 ft wire attached
- Solar Panel cable connectors
- Waterproof heat shrink wire splice kit with

|  |  | T400 | T800 |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Head <br> (ft) | PSI | GPD | GPM | GPD | GPM |
| $\mathbf{0}$ | $\mathbf{0}$ | 4752 | 13.2 | 4860 | 13.5 |
| $\mathbf{1 0}$ | $\mathbf{4}$ | 4356 | 12.1 | 4536 | 12.6 |
| $\mathbf{2 5}$ | $\mathbf{1 1}$ | 3204 | 8.9 | 3672 | 10.2 |
| $\mathbf{5 0}$ | $\mathbf{2 2}$ | 1152 | 3.2 | 3528 | 9.8 |
| $\mathbf{7 5}$ | $\mathbf{3 2}$ |  |  | 2340 | 6.5 |
| $\mathbf{1 0 0}$ | $\mathbf{4 3}$ |  |  | 684 | 1.9 | pre-crimped pump wires

# Pro GB Booster <br> \begin{tabular}{|c|} \hline \multirow[t]{2}{*}{$$
\begin{aligned} & \text { HEAD } \\ & \text { GPM } \\ & \text { COST } \end{aligned}
$$

 <br>\hline <br>
\hline
\end{tabular}



Our Pro GB Pumps are for super high head, non-submersible applications where suction/self priming is not necessary (usually plumbed to tanks). Systems use hearty 3-Phase Motors and Multistage Centrifugal Pump Ends. Our controllers are the best in the world and allow customization and optimization based on sun and season, sensor input, 220v backup and more. There is no other kit like this on the market.

## Kit includes:

- Solar Array of Monocrystalline Aluminum-framed Panels (number of panels varies with model)
- Properly Rated Solar Controller (takes DC Voltage from Solar Panel array +Auto-Switch to run with 220v Grid or Generator when not enough solar)
- Pro GB05 to GB50 (1/2HP to 5HP) Goulds GB Booster Pump
- Large Float Switch for use as high water tank sensor
- All connector cables from solar panels to controller
- DC cut-off disconnect switch rated for your array, plug and play with MC4s
- Phone \& Email support before and during installation

Pump Dims: Model Dependent Inlet / Outlet Size

## Solar Panels



## Example 05GB10

GPM /
Gallons Per Day
(6 hrs)
Head (ft)

| 100 | $9 / 3,240$ | $36 / 12,960$ |
| :---: | :---: | :---: |
| 200 | $8 / 2,880$ | $32 / 11,520$ |
| 300 | $7 / 2,520$ | $25 / 9,000$ |
| 400 | $5.5 / 1,980$ | $13 / 4,680$ |
| 500 | $3.5 / 1,260$ |  |

# Pro Irrigation 




Our Pro Irrigation Pumps are high volume, mid-head, non-submersible applications where suction still may be necessary. Great for sprinklers up to 45 psi, but can also supply drip lines without overpressurizing. Self priming suction up to 25' but the less priming, the better GPM production at lower head. The systems use best-of-the-best USA 3-Phase Pumps. Pump from sun up to sun down or program an irrigation timer for a custom watering schedule. Cast iron construction sealed with corrosion resistant Electrocoat paint.

## Kit includes:

- Solar Array of Monocrystalline Aluminum-framed Panels (number of panels varies with model)
- 2.2 kW Rated Solar Controller (takes DC Voltage from Solar Panel array +Auto-Switch to run with 220v Grid or Generator when not enough solar)
- Up to 5hp Goulds Irrigation Pump (see curves above)
- Large Float Switch for use as high water tank sensor
- All connector cables from solar panels to controller
- DC cut-off disconnect switch rated for your array, plug and play with MC4s
Phone \& Email support before and during installation


Pump Dims: Model Dependent Inlet /Outlet Size: 1.5" NPT
11.5" NPT

## Solar Panels

$\begin{array}{lll}\text { Small } & 40 \times 20 \times 1.18^{\prime \prime} & 15 \mathrm{lbs} \\ \text { Large } & 66 \times 40 \times 1.4^{\prime \prime} & 40 \mathrm{lbs}\end{array}$
Online Reviews: $t \times x+x$


## Anytime Solar Pumps w/ Batteries

Systems include batteries and backup charging with Generator or AC

## Eco-Steady BP05

| High Pressure | Original |
| :---: | :---: |
| Tankless | Tankless |
| Pressure Pump ${ }^{T M}$ | Pressure Pump ${ }^{T M}$ |

Eco-Steady BP2 Eco-Steady BP3

| Solar <br> Power | $\begin{aligned} & \text { 400W - } \\ & \text { 1200W } \end{aligned}$ | $\begin{aligned} & 800 \mathrm{~W}- \\ & \text { 1200W } \end{aligned}$ | $\begin{aligned} & \text { 800W - } \\ & \text { 1200W } \end{aligned}$ | $\begin{aligned} & \text { 1200W - } \\ & 3600 \mathrm{~W} \end{aligned}$ | $\begin{aligned} & 2400 \mathrm{~W} \\ & 3600 \mathrm{~W} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Batteries | 24V | 24V | 24 V | 48V | 48V |
| Generator/ AC Operation | 110V | $\begin{gathered} 110 \mathrm{~V} \\ \text { or } 220 \mathrm{~V} \end{gathered}$ | $\begin{aligned} & 110 \mathrm{~V} \\ & \text { or } 220 \mathrm{~V} \end{aligned}$ | 220V | 220V |

Horse-
power (HP)

| 1" Inlet | 1" Inlet |
| :---: | :---: |
| 1" Outlet | 1" Outlet |

1.25" Inlet
1" Outlet
1.25" Inlet
1" Outlet
1.5" Inlet
1.5" Outlet

| GPM and | 30 psi | 55 psi | 40 psi | 60psi | 70 psi |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Pressure | $5-15 \mathrm{GPM}$ | $5-25 \mathrm{GPM}$ | $10-25 \mathrm{GPM}$ | $5-30 \mathrm{GPM}$ | $5-50 \mathrm{GPM}$ |

Gallon Per Minute

| $\overline{\text { b }}$ | 5 | 7 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | Pressure Rating |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10 | BP05 | BP05 | BP05 | BP05 | TPP | TPP | TPP | BP3 | BP3 |  |
| 15 | BP05 | BP05 | BP05 | TPP | TPP | TPP | TPP | BP3 | BP3 |  |
| 20 | BP05 | BP05 | BP05 | TPP | TPP | TPP | BP2 | BP3 |  | Low |
| 25 | BP05 | BP05 | TPP | TPP | TPP | TPP | BP2 | BP3 |  |  |
| 30 | BP05 | BP05 | TPP | TPP | TPP | BP2 | BP3 | BP3 |  |  |
| 35 | TPP- HP | TPP-HP | TPP- HP | TPP- HP | BP2 | BP2 | BP3 | BP3 |  | Mid |
| 40 | TPP- HP | TPP-HP | TPP- HP | TPP- HP | BP2 | BP3 | BP3 | BP3 |  |  |
| 45 | TPP- HP | TPP-HP | TPP- HP | BP2 | BP2 | BP3 | BP3 |  |  |  |
| 50 | TPP- HP | TPP-HP | TPP- HP | BP2 | BP3 | BP3 | BP3 |  |  |  |
| 55 | TPP- HP | BP2 | BP2 | BP3 | BP3 | BP3 |  |  |  | High |
| 60 | BP2 | BP2 | BP3 | BP3 | BP3 | BP3 |  |  |  |  |
| 65 | BP3 | BP3 | BP3 | BP3 | BP3 |  |  |  |  | 21 |

## Eco-Steady ${ }^{\text {T1 }} 1 / 2$ HP



Choose a model based on your water needs. Flow rates from 5 to 25 GPM are supported. Adjustable up to 30psi. The higher PSI and/or higher flow rate used, more power is pulled from the batteries-resulting in a range of time available to pump.

| 4 BATTERY | 8 BATTERY | 12 BATTERY |
| :---: | :---: | :---: |
| + |  |  |
| + | + |  |
| 4 SOLAR PANEL | 8 SOLAR PANEL | 12 SOLAR PANEL |


| Hours Runtime at Different Pressures | BP05-4 | BP05-8 | BP05-12 |
| :---: | :---: | :---: | :---: |
| Low | 2.6 | 6.6 | 9.9 |
| Mid | 2.2 | 5.3 | 7.9 |
| High | N/A | N/A | N/A |
| Gallons Per Day at Different Pressures | BP05-4 | BP05-8 | BP05-12 |
| Low | 1,901 | 4,752 | 7,128 |
| Mid | 1,056 | 2,534 | 3,802 |
| High | N/A | N/A | N/A |

With the RPS Eco-Steady Booster Pump ${ }^{\text {TM }}$ System you'll get smooth, continuous, steady reliable water pressure without the need for a pressure tank or AC power! The solar charged battery bank powers a centrifugal booster pump that varies its speed and power based on your demand for water at the exact pressure you select up to 30psi. Expandable battery bank and solar panel array provide longer runtimes as your property grows. 15 ' suction from a pond or shallow well with foot valve.

## Popular Applications include...

Low pressure irrigation (drip lines, soaker hoses, garden hose) 24/7 livestock tanks with float valves Moving water between tank locations and out of springs



## Kit includes:

- 100w Mono-crystalline Solar Panels
- $1 / 2$ HP Eco-Steady Booster Pump ${ }^{\text {m }}$
- Solar Power Train Controller to regulate power transfer between pump, panels and batteries + 110V AC Backup Plug
- Solar Wires to connect solar panels to controller
- Wires to connect to battery bank (55Ah 12 V Deep Cycle AGM batteries optional)
- 2 Year Warranty
0
$0 \quad$ GPM 1020

Online Reviews: $t \in+\star t$


# High Pressure Tankless Pressure Pump ${ }^{\text {TM }}$ TPP-HP, 1 HP 




Finally an off-grid option that delivers 55 psi! With the RPS High Pressure TPP™ System you'll get smooth, continuous, steady reliable water pressure without the need for a pressure tank or AC power! The solar charged battery bank powers a centrifugal booster pump that varies its speed and power based on your demand for water at the exact pressure you select from 10 to 55 psi. Need reliable drip irrigation? Set system to 20 or 30 psi. Need household water pressure or sprinklers? Set system to 45-55psi. 15 ' suction from a pond or shallow well with foot valve.

## Kit includes:

- 100w Mono-crystalline Solar Panels
- 1 HP Tankless Pressure Pump™
- TPP Controller to regulate power transfer between pump, panels and batteries
- Solar Wires to connect solar panels to controller
- Wires to connect to battery bank (55Ah 12V Deep Cycle AGM batteries optional)
- 2 Year Warranty


Online Reviews: $t+{ }_{x}+\underset{x}{x}$


Choose a model based on your water needs. Flow rates from 5 to 25 GPM are supported. Adjustable from 20 to 55psi. The higher PSI and/or higher flow rate used, more power is pulled from the batteries-resulting in a range of time available to pump.

| Hours Runtime at <br> Different Pressures | TPP HP - 8 | TPP HP - 12 |
| :---: | :---: | :---: |
| Low | 3.3 | 5.0 |
| Med | 2.6 | 4.0 |
| High | 2.2 | 3.3 |


| Gallons Per Day at |  |  |
| :---: | :---: | :---: |
| Different Pressures | TPP HP - 8 | TPP HP- 12 |
| Low | 4,950 | 7,425 |
| Med | 2,851 | 4,277 |
| High | 1,320 | 1,980 |

SOLAR PUMPS

# Original Tankless Pressure Pump ${ }^{\mathrm{m}}$ TPP, 1 HP 

 POPULAR


With the RPS Tankless Pressure ${ }^{\text {TM }}$ System you'll get smooth, continuous, steady reliable water pressure without the need for a pressure tank or AC power! The solar charged battery bank powers a centrifugal booster pump that varies its speed and power based on your demand for water at the exact pressure you select from 20 to 45 psi. Need reliable drip irrigation? Set system to 20 or 30 psi. Need household water pressure or sprinklers? Set system to 45 psi. 15' suction from a pond or shallow well with foot valve. RPS carries two versions of the original TPP, one that can connect to 110 V backup power or another that connects to a 220 V backup power source, just in case the battery bank is drained and the sun doesn't shine.

## Kit includes:

- 100w Mono-crystalline Solar Panels
- 1 HP Tankless Pressure Pump ${ }^{\text {m }}$
- TPP Controller to regulate power transfer between pump, panels and batteries
- Solar Wires to connect solar panels to controller
- Wires to connect to battery bank (55Ah 12V


Online Reviews: $\star \star \star \star \star$

## WATCH ON Youtus:



Choose a model based on your water needs. Flow rates from 5 to 25 GPM are supported. Adjustable from 20 to 45 psi. The higher PSI and/or higher flow rate used, more power is pulled from the batteries-resulting in a range of time available to pump.
Hours Runtime at Different Pressures

| Low |
| :--- |
| Med |
| High |


|  |  |
| :---: | :---: |
| TPP $\mathbf{- 8}$ | TPP $\mathbf{- 1 2}$ |
| 3.3 | 5.0 |
| 2.6 | 4.0 |
| N/A | N/A |


| Gallons Per Day at Different |  |  |  |
| :---: | :---: | :---: | :---: |
| Pressures | TPP $\mathbf{8}$ | TPP $\mathbf{- 1 2}$ |  |
|  | Low | 5,940 | 8,910 |
|  | Med | 3,643 | 5,465 |
|  | High | N/A | N/A |

## Eco-Steadym

 Booster Pump 2 HP BP2

The 2 HP Eco-Steady Booster Pump is the perfect blend of slightly higher PSI performance and GPM production. Ideal for farms and gardens that plan on growing into a larger operation in the future. The 2 HP will handle hundreds of feet of drip lines and any emitters that require solid 45-60 psi. You'll get smooth, continuous, steady reliable
 water pressure without the need for a pressure tank or AC power! The solar charged battery bank powers a centrifugal booster pump that varies its speed and power based on your demand for water at the exact pressure Expandable battery bank and solar panel array provide longer runtimes as your property grows. Plug into any 220V backup power source just in case the battery bank is drained and the sun doesn't shine. 15' suction from a pond or shallow well with foot valve.

## Kit includes:

- 100w Mono-crystalline Solar Panels
- 2 HP Eco-Steady Booster Pump ${ }^{\text {TM }}$
- Solar Power Train Controller to regulate power transfer between pump, panels and batteries
- Solar Wires to connect solar panels to controller
- Wires to connect to battery bank (55Ah 12V Deep Cycle AGM batteries optional)
- 2 Year Warranty

Choose a model based on your water needs. Flow rates from 5 to 25 GPM are supported. Adjustable from 20 to 60psi. The higher PSI and/or higher flow rate used, more power is pulled from the batteries-resulting in a range of time available to pump.

> 12 BATTERY 24 BATTERY 36 BATTERY
> 12 SOLAR PANEL 24 SOLAR PANEL 36 SOLAR PANEL

| Hours Runtime at <br> Different Pressures | BP2 $\mathbf{- 1 2}$ | BP2 - 24 | BP2 - 36 |
| :---: | :---: | :---: | :---: |
| Low | 4.0 | 7.9 | 11.9 |
| Mid | 2.9 | 5.9 | 8.8 |
| High | 2.5 | 5.0 | 7.4 |


| Gallons Per Day at <br> Different Pressures | BP2 - 12 | BP2 - 24 | BP2 - 36 |
| :---: | :---: | :---: | :---: |
| Low | 7,128 | 14,256 | 21,384 |
| Mid | 4,400 | 8,800 | 13,200 |
| High | 2,970 | 5,940 | 8,910 |




0

| 0 | GPM | 10 | 20 | 30 |
| :--- | :--- | :--- | :--- | :--- |



The ONLY 3 HP solar pump kit that can pair with batteries for 24/7 anytime operation. Ideal for large homesteads with a variety of applications like drinking water, livestock troughs, orchards and pasture irrigation. The solar charged battery bank powers a centrifugal booster pump that varies its speed and power based on your demand for water at the exact pressure you select from 10 to 70 psi. Expandable battery bank and solar panel array provide longer runtimes as your property grows. Plug into any 220V backup power source just in case the battery bank is drained and the sun doesn't shine. 15' suction from a pond or shallow well with foot valve.

## Kit includes:

- 100w Mono-crystalline Solar Panels
- 3 HP Eco-Steady Booster Pump ${ }^{\text {™ }}$
- Solar Power Train Controller to regulate power transfer between pump, panels and batteries
- Solar Wires to connect solar panels to controller
- Wires to connect to battery bank (55Ah 12V Deep Cycle

Online Reviews: $\star \star \star \star \star$


AGM batteries optional)

- 2 Year Warranty


Low
Mid
High
Pump Weight: $\quad 52 \mathrm{lbs}$ Pump Dims: $25 \times 18 \times 9.5^{\prime \prime}$ Inlet / Outlet: $1.5^{\prime \prime} / 1.5^{\prime \prime}$ Battery Bank Voltage: 48V

## Solar Panels

100w 38x21x1.18" 15lbs

| Gallons Per Day at |  |  |
| :---: | :---: | :---: |
| Different Pressures | BP3 $\mathbf{- 2 4}$ | BP3 $\mathbf{- 3 6}$ |
| Low | 19,800 | 29,700 |
| Mid | 12,263 | 18,395 |
| High | 6,789 | 10,183 |

Choose a model based on your water needs. Flow rates from 5 to 50 GPM are supported. Adjustable from 10 to 70psi. The higher PSI and/or higher flow rate used, more power is pulled from the flow rate used, more power is pulled from the
batteries-resulting in a range of time available to pump.

EPM COST PRESSURE
0000

## Our Pledges to You

## 1. Be a company our Grandfathers would have

 trusted. The trend of 'outsourcing' customer support after the sale is a trend we wholeheartedly oppose. We are an American, family run company and our USA engineers support you before and after the sale.2. No sales pressure. Ever. Nobody in the company is paid on commission. We think this is important. Their role is to make sure they find the right pump for you and your well. If we don't have a pump that will suit your needs, we will help you find a solution elsewhere. Our job is to help get you water.
3. Reliable Water. All manufactured products have occasional issues and we can't claim to be perfect. However, we are proud of a near perfect track record in getting our customers water. This starts with selling a pump sized for your usage with our Water Assurance Plan and promptly addressing warranty issues to get you up and pumping again quickly.
4. Give you the power! When you control your ability to pump water out of the ground, whether in the field or at home, it makes you more resilient and independent. We are here to help educate you about solar water pumping and our systems over the phone, with our manual, and our great videos online, so you can install yourself. Take control of your water supply today.
5. Fight for the American rancher. RPS is a David \& Goliath story of a small American company fighting against a big European pump corporation that cares more about profits then the longevity of their pumps and the sky-high price for ranchers. Thanks to all our customers for the support of small business vs. foreign corporations trying to profit off some of the hardest working people in our great nation.

## - The RPS Team

# TO ORDER 

uthershop.RPSsolarpumps.eom

# 2en © 888:637-4493 

RPSsolarpumps.com - support@ruralpowersystems.com 40250 County Road 27, Woodland, CA 95776


[^0]:    Irrigating a larger property? We've helped with water projects on farms of all sizes.. There still may be ways to get creative with multiple pumps for larger properties so don't be bashful in calling our pump specialists.

