

Solar Backup for Well Pumps & Other AC Loads

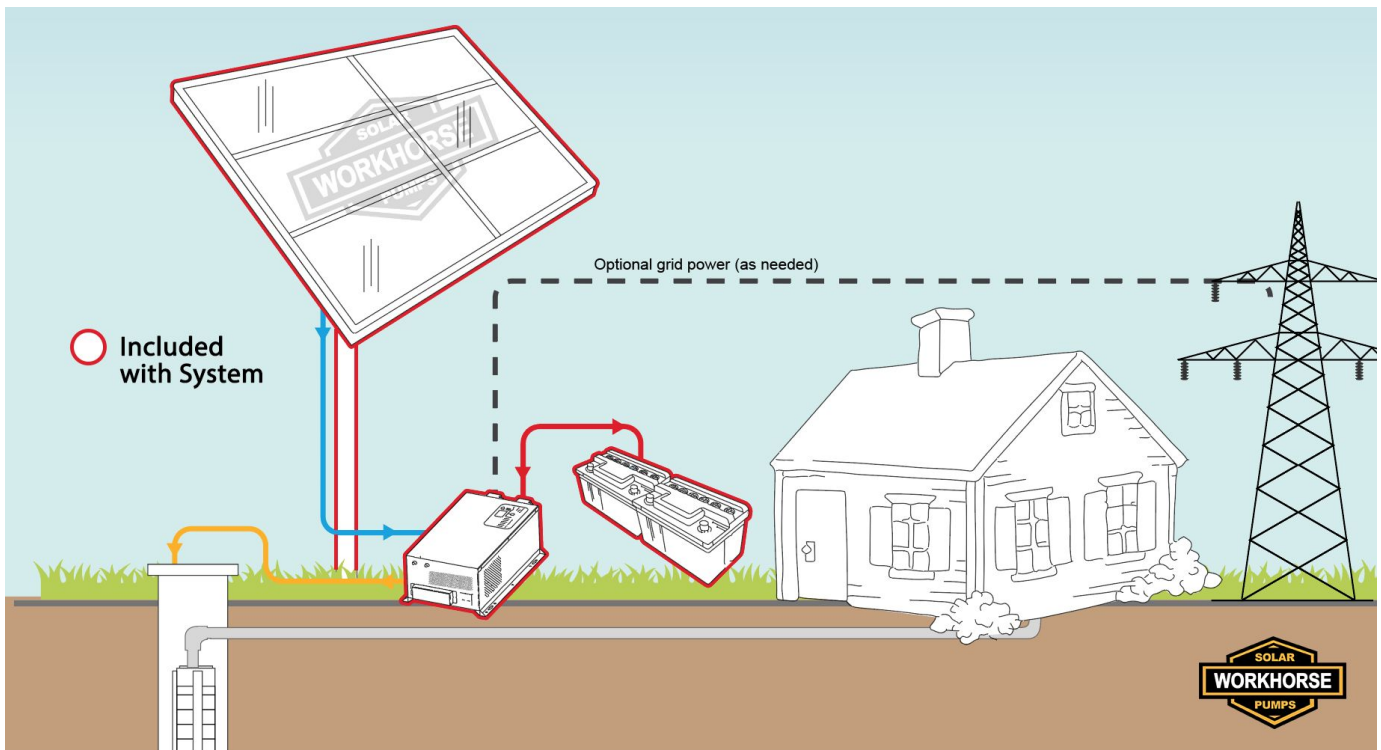
Easily Backup water pumps & other AC loads

Whether used to fully “Off Grid” your water system, or simply as protection that allows for water if the grid goes down, WORKHORSE makes it easier than ever to install with all the parts you need. Solar charged GEL battery bank, solar panels and mounting, rugged WORKHORSE charger/inverter, and all the wiring to hook the system up. Designed for 220v and 110v AC loads, and the high startup loads of AC deep and shallow well water pumps.



Required info for sizing...

1. Voltage/horsepower of existing AC Pump
(or the wattage of other 110v or 220v AC appliances)
2. Desired Run Time per day





Off Grid Solar Backup

	WS-300	WS-600	WS-1200	WS-2400
1/2 HP Hrs Runtime	1.9 *	3.8	7.7	23.0
3/4 HP Hrs Runtime	1.3	2.6	5.1	15.3
1 HP Hrs Runtime	1	1.9	3.8 **	11.5
1.5 HP Hrs Runtime	0.6	1.3	2.6	7.7
2.0 HP Hrs Runtime			1.9	5.7
Solar panels included	3	6	12	24
Batteries included	2	4	8	24
Bank Voltage	24V	24V	48V	48V
Max Continuous Load	3000W	3000W	6000W	6000W
Est. Storage Capacity	.8kW	1.6kW	3.2kW	9.5kW

* Using 1/2 HP 5 GPM Pump * 1.9 Hrs Runtime ~ 570 gallons/day
 ** Using 1 HP 10 GPM Pump * 3.8 Hrs Runtime ~ 2,280 gallons/day

ALL KITS INCLUDE:

- WORKHORSE Inverter/Charger
- Plug+Wiring for AC or 220v Generator backup (2 feet)
- 100 Watt Rugged Aluminum Framed Solar Panels
- Solar Wires (50 feet)
- DC Cut-off Switch
- Battery Wiring and Jumpers (2 feet)
- Deep Cycle GEL 12v Batteries
- NEMA L14-30 Plug for quick install
- Breaker/Fuse
- Detailed Full-Color Installation Manual
- 2 Year Comprehensive Warranty
- Phone / Email / Text Support from Friendly USA based engineers

