Megas Manufacturing
5321 Industrial Oaks Blvd
Ste 118
Austin, TX 78735

Solar Sizing Report

Can - Whitecourt
500 PSI Discharge Pressure
3 GPD Flowrate

Autonomy (Days):	3	Sunlight, Min (Hrs):	1.21
Run Duration (Hrs):	24	Sunlight, Avg (Hrs):	4
Batt Size (Ah):	100	Panel Direction:	##deg. East of South
Batt Efficiency (%):	80	Panel Tilt Angle:	45 deg.
Safety Factor:	1.2		

Motor: 12X

Controls: Cont. Run

- Motor: 12X
- Controls: Cont. Run
- Plunger: 1/4"
- Head: Single

Pump Limits:

Min Flow Rate (GPD): 0.88
Max Flow Rate (GPD): 22.77

Specified Flow Characteristics

Current Draw (Ah): 0.63

	Minimum Sun			Average Sun		
Panel Type	**Panels**	**Batteries**	**Max Estimated GPD**	**Panels**	**Batteries**	**Max Estimated GPD**
60W Panel(s)	5 (5)	1 (0.68)	3.96	2 (1.51)	1 (0.68)	5.25
140W Panel(s)	2 (1.87)	1 (0.68)	4.34	1 (0.57)	1 (0.68)	5.25
100W Panel(s)	3 (2.61)	1 (0.68)	4.82	1 (0.79)	1 (0.68)	5.25

1. "Pump Limits" of minimum and maximum flow rates are for the selected motor, controls, plunger size, and head configuration. This value is to show the absolute minimum and maximum expected pumps flow rates and is not related to any power factors.
2. "Current Draw (Ah)" is the expected continuous current draw of the pump.
3. "Max Estimated GPD" is the maximum flow rate achievable with the number of panels recommended (value rounded up to the nearest whole number)
4. Current draw and flow rate values are the manufacturer's best estimate per application based on tested values. Factors such as packing tightness, motor wear, etc may affect actual current draw values.