

## A word about Solar Power

Solar panels and Solar systems have been around now for more than 30 years. The technology for Solar is being driven at a breakneck pace due to the current world demand for energy, as well as the desire to eliminate or at least help minimize the effect of greenhouse gasses on the world that we all live in.

Recent years has seen advances in not only Solar panel technology, but also technology in battery design and performance, extreme advances in charge controllers and inverters and acceptance from commercial industry. The solar industry is not at all what it was even as few as 5 years ago. The efficiency of Solar panels has increased to the point that the physical size is much smaller than they were, and consequently the cost has come down by about 40% in that time. Absorbed glass mat gel cell batteries have been developed for temperatures in the -40 range and can be expected to perform for at least 5 years. Sales have climbed to the point, that vendors such as us, have developed a business that is steady enough to spread our costs over many units throughout the year. This has resulted in lower costs to the customer and makes this whole industry viable. The pioneers in the development and application of Solar power have absorbed the brunt of the costs for the development of Solar power over the years, this includes the oil and gas industry as well. So with the efficiency and reliability of these modern systems, now is the time to allow these products to reduce your down time and help you have a more productive and profitable business, with less down time and wasted maintenance time to hold you back. Solar systems as opposed to pneumatic systems, pay for themselves by performance and by a lack of ongoing losses due to vented gas, maintenance time and the elimination of regulators and the related fuel gas system.

## Perceived trouble with solar power

I am very aware that some people have had what seemed like endless problems with their solar systems and as a result, have a bitter taste in their mouths about solar power. I can however, reassure you, that in almost every case the problems arise from a lack of expertise in sizing, and consequently, misunderstanding the relationship between the power source and the load that it is expected to supply. There are formulas for matching up all the components to get the desired results. In most cases, this was not done by professionals that have the training to size the systems correctly; this includes electricians who do not normally work with DC power.

We have within our association, one of the most experienced people on the planet for solar power. With more than 30 years of system design worldwide, Eric Jensen M.Sc., is behind the design of not only the solar systems, but also the motor efficiency calculations for our pump designs. (see [www.sunpump.com](http://www.sunpump.com))

Talk to us about how we can help you have a productive solar system to suit any of your needs.