



Solar Powered Chemical Injection Pumps

Solar Injection Systems, Inc.

# Solar Sizing Worksheet

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

To properly size the solar power requirement we need information based on your actual or anticipated injection requirements. The amount of energy to be generated and how many days of batter backup are determined by three factors: The amount of product to be injected, maximum discharge pressure, and the physical location where the unit is installed. TMY (typical meteorological year) data is used to make the necessary calculations. There is the possibility that weather conditions or "micro climates" could surpass TMY data projections. If your application is critical or non-typical, additional allowances will need to be factored in.

Amount to be injected: \_\_\_\_\_ per hr/per day

Max discharge pressure: \_\_\_\_\_ PSI

Location (nearest city): \_\_\_\_\_

Latitude/Longitude (if known) Lat: \_\_\_\_\_ Long: \_\_\_\_\_

Is this injection to be continuous?  YES  NO (If NO) Hours per day: \_\_\_\_\_

Daytime only: \_\_\_\_\_

Nighttime only: \_\_\_\_\_

Combination of both: \_\_\_\_\_

Do any special conditions exist at this location?  YES  NO

If TMY data is not available for this location,

are there existing solar applications at this location or general area?  YES  NO

If YES, provide that application's load requirements: Volts \_\_\_\_\_ Amps \_\_\_\_\_ Watts \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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