

## SPDC Solar Power System Sizing Worksheet for Telecom Applications

Complete the worksheet below and **email** or fax to 347-534-9155. If you require assistance, call 347-624-5693.

Name \_\_\_\_\_ Telephone \_\_\_\_\_  
 Company \_\_\_\_\_ Fax \_\_\_\_\_  
 Address \_\_\_\_\_ e-mail \_\_\_\_\_  
 City \_\_\_\_\_ State/Province \_\_\_\_\_ Date Quote Needed \_\_\_\_\_  
 Postal Code \_\_\_\_\_ Country \_\_\_\_\_

### Load Information

*Note: For loads with a duty cycle please estimate hours per day for transmit, receive and standby. For variable loads please estimate hours/week, divide by 7 and enter this number in the hours/day column.*

DC Load	Description	Amps	X	Hours/Day	=	Amp-Hr/Day
	Transmit		X		=	
	Receive		X		=	
	Standby		X		=	
	Continuous		X		=	
	Other		X		=	
						<b>Total</b> _____
Nominal DC Load Voltage _____		Other DC Voltage _____				
Positive Ground? (circle one)		Yes	No			

### Site Information

Nearest Major City \_\_\_\_\_ State/Province \_\_\_\_\_ Country \_\_\_\_\_  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ (if available)  
 Temperature: Highest \_\_\_\_\_ Lowest \_\_\_\_\_ Elevation \_\_\_\_\_  
 Lightning Probability: (circle one) High Low  
 Winter Snow? (circle one) Yes No Average Snowfall \_\_\_\_\_

### System Requirements

Number of systems \_\_\_\_\_  
 DC equipment voltage tolerance \_\_\_\_\_ Vdc to \_\_\_\_\_ Vdc  
 Solar module support structures: (circle one) Ground Roof Tower Pole Pole Diameter \_\_\_\_\_  
 Describe site terrain \_\_\_\_\_  
 Days of battery storage required: (if known) \_\_\_\_\_ days  
 Is corrosion a problem (i.e. salt air)? (circle one) Yes No

Special Requirements, Additional Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_