

## RISK ASSESSMENT WORKSHOP

### POWER SUBSYSTEM

#### DESCRIPTION

SOLAR ARRAY - .2 SQUARE METERS, 2X4 CM 8 MIL Si CELLS,  
6 MIL COVER GLASS, 6 STRINGS

BATTERY - Li-SO<sub>2</sub> "D" CELLS, 3 STRINGS OF 4 CELLS EACH,  
MAIN POWER

Li-SO<sub>2</sub> "D" CELLS, ONE STRING OF 2 CELLS,  
TIMER POWER

DC/DC CONVERTERS - MIL SPEC UNITS, 8 TO 24 VOLT INPUT  
5 EACH

+5 VOLTS DC AT 10 WATTS

+24 VOLTS DC AT 10 WATTS

+9 VOLTS DC AT 5 WATTS

+5 & -5 VOLTS DC AT 2.5 WATTS

+12 & -12 VOLTS DC AT 2.5 WATTS

MICROROVER POWER SUBSYSTEM  
BLOCK DIAGRAM

