

PV and Battery Specifications 2-27-07

For this submission we will assume we are using BP panels and Xantrex PV equipment

Solar cell specifications

- Copy of manufacturer's module spec sheet: Attached in email (Saturn 7190 data sheet.pdf)
- Manufacturer's name and contact: BP Solar Julie Golofski 301 689-4253
Julie.Golofski@bp.com
- Stock number: BP7190
- Manufacturer's quote for module area: 1593mm x 790mm = 1.26m² = 13.6ft²
- Manufacturer's quote for performance: 190 Watts at STC
- Cost per watt for each module: For us: \$3, but they probably want market price. These are not on the market yet. Ask Todd if we can just put down that they are not on the market yet. If not I can try and get a price.

Battery Specifications

- Battery specification sheet:
http://www.concordebattery.com/xtender_main.php
The PVX-9150T batteries are not on the market but are most similar to the PVX-6480T
- MSDS: http://www.concordebattery.com/otherpdf/vrbatts_msds.pdf
- Manufacturer name and contact: Concorde Battery Corporation Ed Mahoney 626-813-1234 EMahoney@concordebattery.com
- Stock number: PVX-9150T
- Module voltage: 2V
- Bus voltage: 48V
- Number of modules used: 48
- Manufacturers specs:
 - Estimated Capacity: 1043Ah @ C/100 = 2.086 kWh @ C/100 per battery
 - Estimated Weight: 106lbs per battery
 - Cost: These are also not on the market yet. Ask Todd if we can just put down that they are not on the market yet. If not I can try to get an estimated market price.
- Spill and damage procedures: Contained in Section 6 of MSDS

Other

- Unlisted electrical components: *I sent them descriptions of our panel tilting system and hot water system before the pre-event, so I don't know if they would also need to be in here.
- Manufacturers data sheets for all major house components (solar electric electronics): Attached in email (DS20061106_XW-inverter.pdf)