

TEAM:

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NASC2005 Scrutineering Battery Protection System

Before arriving at the BPS inspection station, fill in the information for the section in red on the following page. If you have additional comments, you can include them in the "Notes" section. Please note if a component is not functioning.

The follow sheet has the same fields as the BPS form on the last page of the BPS testing document. If you've already completed that form, please bring that with you.

NOTE:

Max Voltage = Manufacturer's rated max voltage

Min Voltage = Manufacturer's rated minimum voltage

Max Current = Manufacturer's rated max current

Max Operating Temperature = Manufacturer's rated max operating temperature

TEAM:

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Battery Station

NASC2005 PREL. SCRUTINEERING

May 16-18, 2005

Battery Protection System: OVER-VOLTAGE (OV) TEST

Test Level: String Module Cell Pass Fail

Nominal Voltage: _____ Vnom @ ____ °C

BPS V Resolution: _____ Bit

Max Voltage: _____ Vmax @ ____ °C

BPS V Range: _____ - _____ VDC

BPS Max Trip: _____ Vmax_trip

BPS Sample Rate: _____ S/s

Filtering Delay

BPS Disconnect Delay: ____ s

Notes: _____

Battery Protection System: UNDER-VOLTAGE (UV) TEST

Test Level: String Module Cell Pass N/A Fail

Nominal Voltage: _____ Vnom @ ____ °C

BPS V Resolution: _____ Bit

Min Voltage: _____ Vmin @ ____ °C

BPS V Range: _____ - _____ VDC

BPS Min Trip: _____ Vmin_trip

BPS Sample Rate: _____ S/s

Filtering Delay

BPS Disconnect Delay: ____ s

Notes: _____

Battery Protection System: OVER-CURRENT (OC) TEST

Test Level: String Module Cell Pass N/A Fail

Max Current: _____ Imax @ __ °C

BPS I Resolution: _____ Bit

BPS I Trip: _____ Imax_trip

BPS I Range: _____ - _____ VDC

Filtering Delay

BPS Sample Rate: _____ S/s

BPS Disconnect Delay: ____ s

Notes: _____

Battery Protection System: OVER-TEMPERATURE (OT) TEST

Test Level: String Module Cell Pass N/A Fail

Max Operating Temperature: _____ °C

BPS T Resolution: _____ Bit

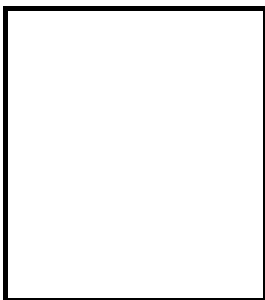
BPS T Trip: _____ °C Tmax_trip

BPS T Range: _____ - _____ °C

BPS Sample Rate: _____ S/s

BPS Disconnect Delay: ____ s

Notes: _____



Inspector: _____

Bring to Inspection:

- Solar car with completed and functioning electrical system
- Copy of Battery Approval Form and supporting documents
- Battery specifications from the manufacturer
- Fuse specifications
- Wiring diagrams
- Items listed on page 6 of "NASC2005 Battery Protection System Test Procedure"