



Power Protection Solutions Pty Ltd

30 Beach Street, Kippa-Ring, Qld 4021, Australia

P.O. Box 122, Redcliffe, Qld 4020, Australia

Phone (07) 3283 7800

Fax (07) 3283 7811

Email office@powersolutions.com.au

Web www.powersolutions.com.au

Inverter / Chargers • Marine Switchboards • Battery Chargers • Desalinators • Generators

Press Release October 2007

Nuna 4 & Mastervolt: Success combination once more!

At this year's Panasonic World Solar Challenge, the world's toughest race for solar-powered vehicles, Mastervolt equipped the winners of the race! The Nuon Solar Team with Nuna 4.

The Dutch Technical University of Delft achieved their fourth consecutive victory with their Nuna 4; At 16:54:00 local time in South Australia, Nuna 4 crossed the time finish line, crossing the Australian continent in 4 days at an average speed of around 91 km/hr.

The Panasonic World Solar Challenge, in which 61 teams from 20 countries competed, went over a distance of 3,000 km from Darwin on the north coast of Australia, right across the continent, to Adelaide in the south.

This year's vehicle was equipped with components and technology from the aeronautics industry and Formula 1 racing.

Mastervolt sponsored the Nuon Solar Team with a complete system for the provision of a mobile electrical supply to the escort vehicle 'Mission Control'.

From the escort vehicle 'Mission Control', the team not only had continual voice communication with Nuna4's driver: more importantly, there was also constant transmission of data between the solar vehicle and the mobile control centre, via WLAN.

In the 'Mission Control' data, such as the energy generated by the car's solar cells, wind speed, sun light intensity and weather forecasts were continually stored, analysed and used to determine for instance the ideal speed in terms of energy use.

The on-board electricity supply of the mobile control centre is made up of the following Mastervolt systems:

- Mass sine 12/1200 sine inverter
- IVO Smart 12/50-3 battery charger
- MVG battery 12/200
- Masterlink BTM-III battery monitoring system
- Direct current cabling system.

