



2015 World Solar Challenge

Regulation Bulletin 1/2015 (amended)

Weight determination of NCR 18650 Lithium-ion cells.

Regulation 2.22.9 requires cell manufacturers endorsement of actual product supplied.

Of particular concern is the popular Panasonic / Sanyo Lithium-ion product with type designation NCR 18650

Despite the warning of the unsuitability of generic data sheets downloaded from the internet, concerns continue to be raised by the availability of conflicting data.

To avoid any further confusion with the use of these cells, the Chief Energy Scientist has advised that, for the purposes of 2015 World Solar Challenge, the mass (weight) of individual NCR18650 series cells has been determined as:

NCR 18650 A	46.5g per cell
NCR 18650 B	48.5g per cell

As the Chief Energy Scientist has been unable to verify data with the Manufacturer, additional versions of the NCR18650 series cells have been added to the determination as follows:

All B series (BF etc), G series and others with a maximum nominal capacity up to 3550mAh
48.5g per cell

Note: The use of these figures does not preclude the need to submit the manufacturers endorsed data sheet confirming the electrical characteristics of the cells supplied. The Chief Energy Scientist will consider a data sheet from a manufacturer's representative if it states the relationship to the manufacturer and a business address.

Teams seeking to use of other products for which multiple versions of data sheets are available are invited to contact the Organiser before committing to purchase.

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Chris Selwood

Event Director