

# Sundaya S4/S4a

## Maintenance Instructions



### Don't Void Your Warranty

First off, if you have a problem with your S4/S4a during the warranty period (12 months) please contact us to discuss options. Once the S4/S4a is no longer covered under warranty, and you wish to do the maintenance work yourself, please read these instructions.

All batteries need periodic replacement; the S4/S4a makes no exception. Luckily, replacing the battery is not hard, but please read on:

The Sundaya S4/S4a battery case comes apart in 2 pieces and has a couple of Phillips screws near the top at the back. It also has about 6 to 8 other screws on sides and bottom edges that need a "TORX T-20" driver bit to take them out. If you haven't seen them, these special keys are available at various tool store outlets as a set or sometimes individually handled ones like a screwdriver.

The battery inside has M6 hex-head stainless screws holding the lugs on the 2 terminals, and some "rubbery" thin packing pieces (with contact cement) around the corners of the battery to take up space so it's a snug fit and won't rattle or flop around. Just take them off and put them on the new battery corners. You stand the case upright to split it by the way.

If the little "activator" ever gets left in its slot at the back, and the unit is not connected to a panel for an extended time, the battery will go flat, as it is in a sort of standby mode.

The small micro-processor controller/regulator wants to see the battery connected to a charging source for a few days after powering up, before it will tell you that the full capacity is available. (even if the battery is brand new and fully charged to say 13.00 volts etc. It wants to see a history of charge voltage being available for a time, or it will look like it's going downhill and restricting the output to the load sockets.)



## RAINBOW POWER COMPANY LTD

Designers and Installers of Solar Systems since 1987

1 Alternative Way (PO Box 20240)

tel: (02) 6689 1430

international: +61 2 6689 1088

email: sales@rpc.com.au

A.B.N. 74 003 323 420

Nimbin NSW 2480 Australia

fax: (02) 6689 1109

international: +61 2 6689 1109

website: www.rpc.com.au

Lic:198555C (NSW). 69172 (Qld)