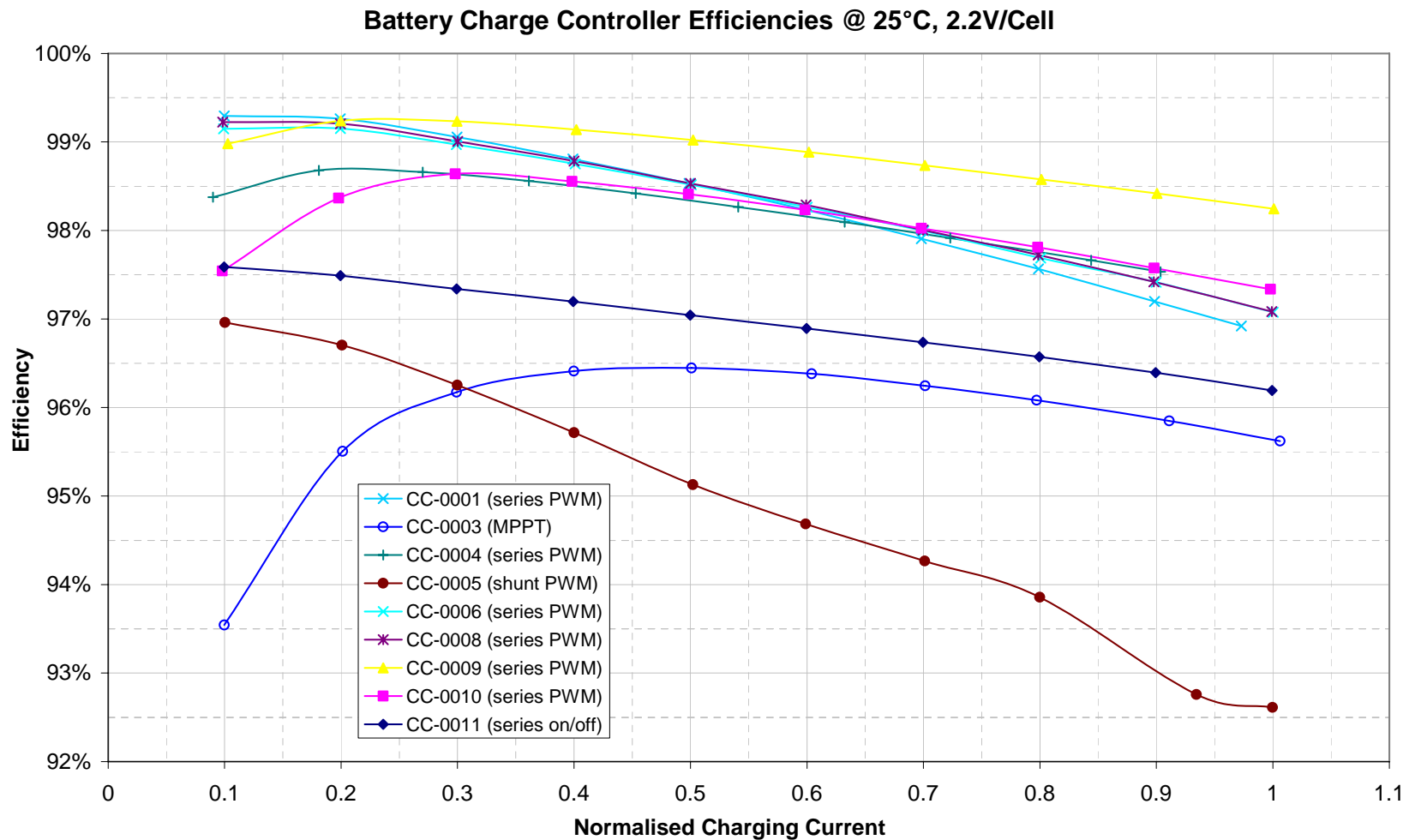


## PV Battery Charge Controller (BCC) Testing Activities

RISE has tested several battery charge controllers of different technologies from various Australian and international manufacturers over the past 18 months. Below are the results for power efficiency and self consumption from some of the units tested in the lab so far. The main outcomes of this activity are the validation of test protocols and the establishment of performance benchmarks for these types of devices. This work is linked to our involvement in standards development. RISE is leading a BCC standard project in the international arena: IEC 62509 Ed.1: "Performance and functioning of photovoltaic battery charge controllers". This document is in the committee draft stage (CD) and will be revised at the forthcoming IEC TC82 WG3 meeting in San Francisco California at the end of May this year. It is expected that after the review is completed, the document will move forward to the enquiry stage, where a voting draft (CDV) is prepared for public comment and committee vote.



Self Consumption Current for PV BCC 12V and 24V nominal voltages

