

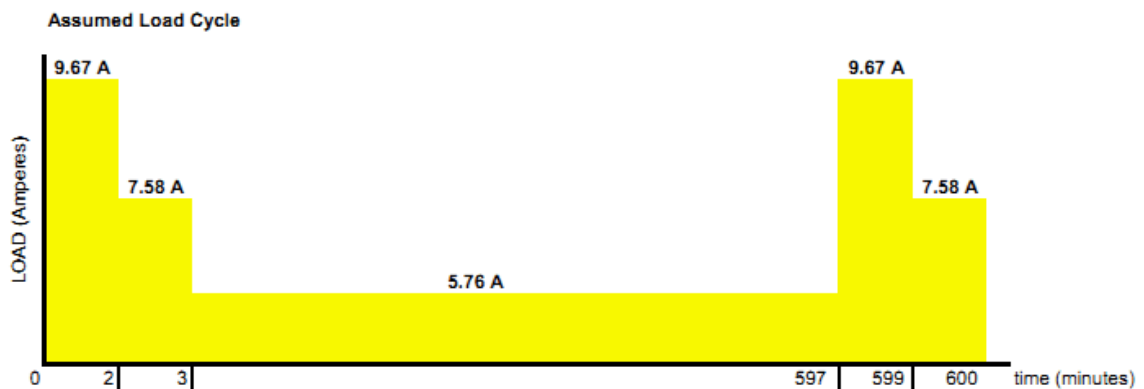
## Case Study:

### 110Vdc 10A Dual Output Battery Charger with 110Vac Mains Input

#### Application

The customer required a dual 110Vdc Battery Charger powered from a 110Vac input, to run in a warm Middle East environment. The charger needed to fit into a very slim space and have the following charging characteristics:

#### B. Load Cycle



#### Solution

Our engineers built two ZAT3000/110/25 power supplies / battery chargers into a slim-line IP54 cabinet just 210mm deep, with cooling fans, gland plate and output breakers. The ZAT units are rated at 110Vdc 25A but when running on 110Vac are de-rated to provide a 110Vdc 10A output each.



#### KEY FACTS:

- 110Vac Input
- 2 x 110Vdc 10A Output
  - With specific load cycle
- Slim Line Cabinet 760 x 760 x 210mm
- IP54 rated
- Ambient 50°C Temp.
- Cooling fan with filtered air inlet