# Victron Quattro

| Settings | Suggested Setting | Suggested Option 2 | Comment |
|---|---|---|---|
| % that Bulk is finished | 96% | 85% | |
| Battery capacity | 202Ah | | |
| Charge Efficiency | 99% | | |
| UPS Function | | | |
| DC input low voltage shutdown | 49,5 | | |
| DC input low start | 51V | | |
| DC low voltage alarm | 49,8 | | Can even be below the |
| **Bulk (normal daily recharging)** | **55.4V** | 54.5V | Note that Absorption and Float can be the same |
| **Absorption (normal daily recharging)** | **55.4V** | 56,4 | Note that Absorption and Float can be the same |
| **Float (fully charged battery)** | **54.5V** | | |
| | | | |
| Repeated absorption time | 1 hour | | |
| Repeated absorption interval = | 7 days | | |
| Maximum absorption time = | 1 hour | | |
| Charge current | 25A | 40A | per Battery set |
| | | | |
| Inverter voltage | 230 | 240 | Eskom may need the higher value in the area |
| AC System frequency | 50 | | |
| AC input current limit | Site specific | | |
| | | | |
| | | | |
| **BMV Settings** | | | |
| Battery capacity in amp hours | 202 | 200Ah | Or 150Ah for the K9 |
| Charged Voltage (Solar system) | 55,2 | | always be slightly below the end of absorption voltage of the charger (usually 0.2V or 0.3V below ) |
| Tail current | 4% | | |
| Charged detection time | 0,3 | | |
| Peukert exponent | 1,05 | | |
| Charge Efficiency Factor | 0,99 | | |
| | | | |
| **CCGX settings** | | | |
| DVCC | on | | |
| DVCC Temp sensor | off | | |
| DVCC Charge current limit | on | 35A | |
| ESS Optimize without battery life | Optimize without battery life | | |
| | Keep battery charged | | For days of low solar production |
| **MPPT settings** | | | |
| Bulk (normal daily recharging) | 55,5 | 55,5 | Note that Absorption and Float can be the same |
| Absorption (normal daily recharging) | 55.4V | 56,4 | Note that Absorption and Float can be the same |
| Float (fully charged battery) | 54.5V | | |
| Equalization Voltage | 55.4V | | This must be equal to Absoprtion V or greater |
| Equalization | Disable | | |