USB 5V

Schottky

Charge Controller

Schottky

Zener Voltage Limiter

RPROG Selector

Battery

Regulator

Ideal Diode

Calculator Contacts

Battery Protection

5V

🡨 50mA (when plugged in)

4~16V

80~100mA supply current (not plugged in)

3.60V

Disconnect OD at 3.0V

LiPo 3.0~4.2V

5.1V

R=4k for 300mA when USB on  
R=24k for 50mA otherwise

USB not accessible when installed in calculator