

# DRILL BATTERY CHARGER with Arduino & ADS 1115 ADC Module Isolated Power Supply

SR October 2019

TARGET 3000 mA

$V_{ref} = 1.25$

$R = 1.25 / I$

$R = 1.25 / 3$

$R = 0.416 \text{ Ohms}$

$0.47 \text{ Ohms} = 3.76 \text{ Amps}$

$0.33 \text{ Ohms} = 2.64 \text{ Amps}$

$0.33 \text{ Ohms} = 46 \text{ minutes Full Charge}$

