Use the Miller Solarengine circuit to make useful bursts of energy for your motor or device!

NPN - 2n2222 or 2n3904 transistor

C1 - 1µF to 47µF discharge duration time capacitor

C2 - 2200uF or larger electrolytic power storage capacitor.

D1 - 1N914-style signal diode (1N914)

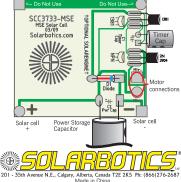
Connect your load (motor/LED/etc) to the pads "Mtr -" and "Mtr +"

Performance Tins:

Bigger C1 = more time MSE stays on, but needs more time to recharge Bigger C2 = more power stored, but means longer recharge time Low 1381 trigger (C=2.2V) will activate MSE sooner, but with less vigor than a 1381-U (4.8V)

Recommended default settings (please experiment!):

Short bursts / quick recharge (~2sec): C1=4.7μF, C2=4700μF, 1381E Long bursts / slow recharge (~1.5min); C1=22uF, C2=0.33F, 1381G



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