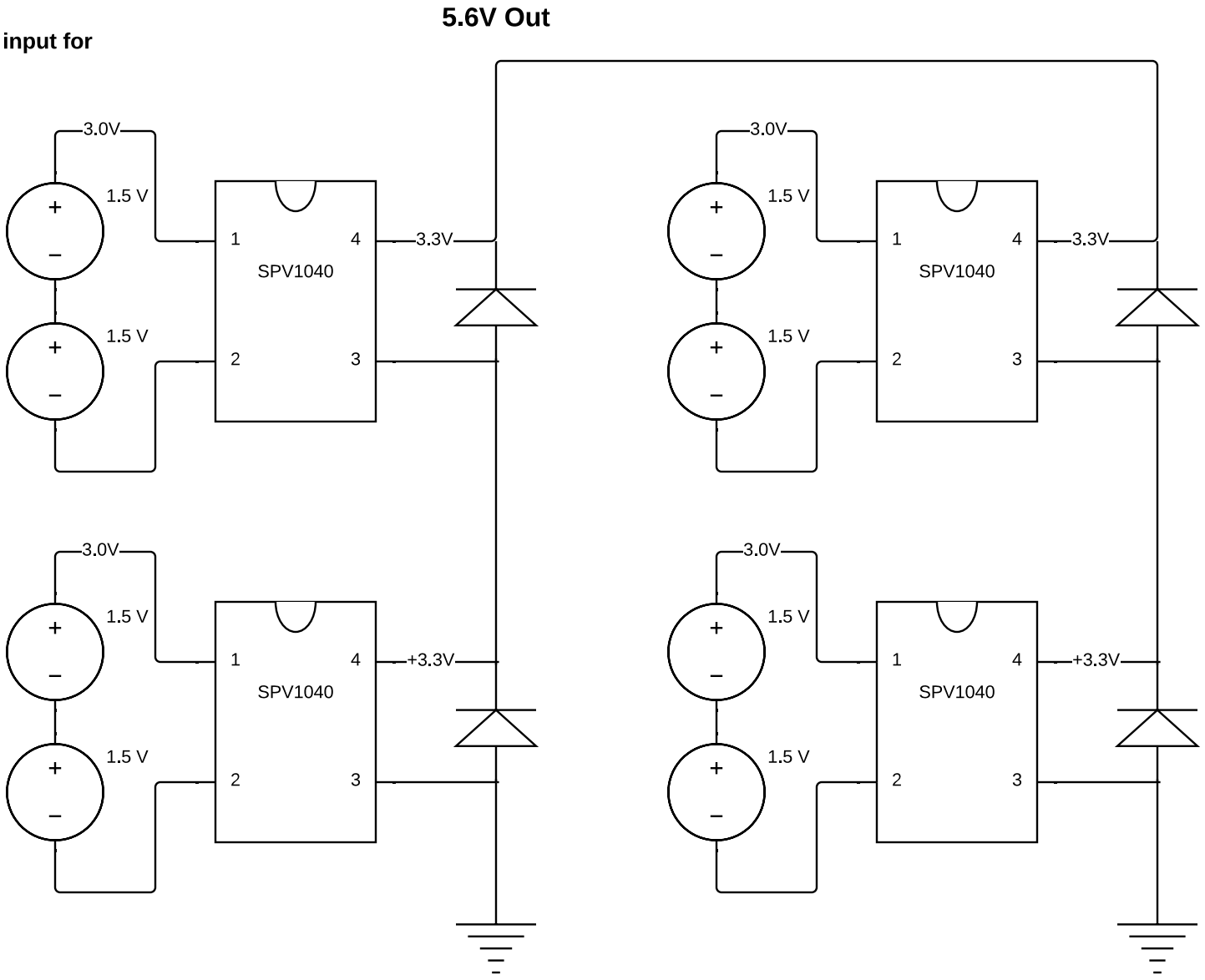
MPPT Configuration 1

– MUST use 4 MPPTs

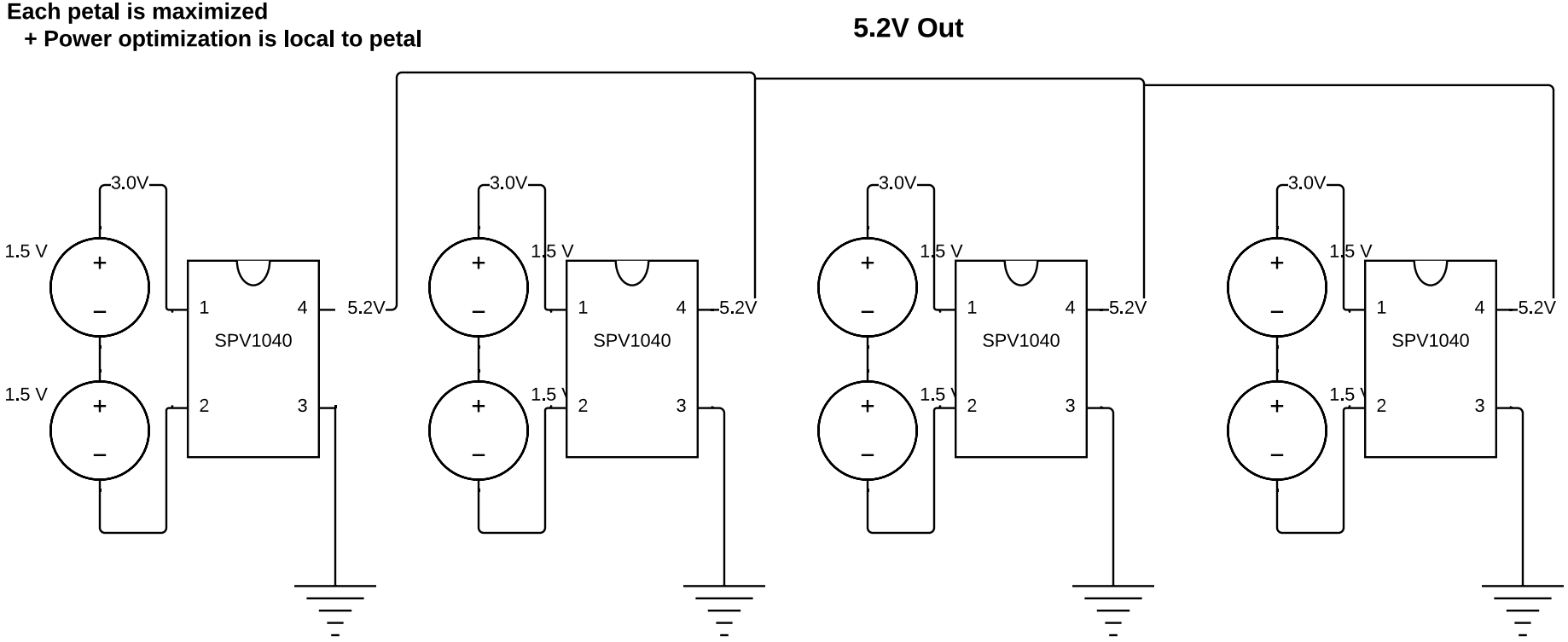
– Output voltage higher than needed, so must buck down

– MPPT output MUST exceed input for it to work properly



MPPT Configuration 2

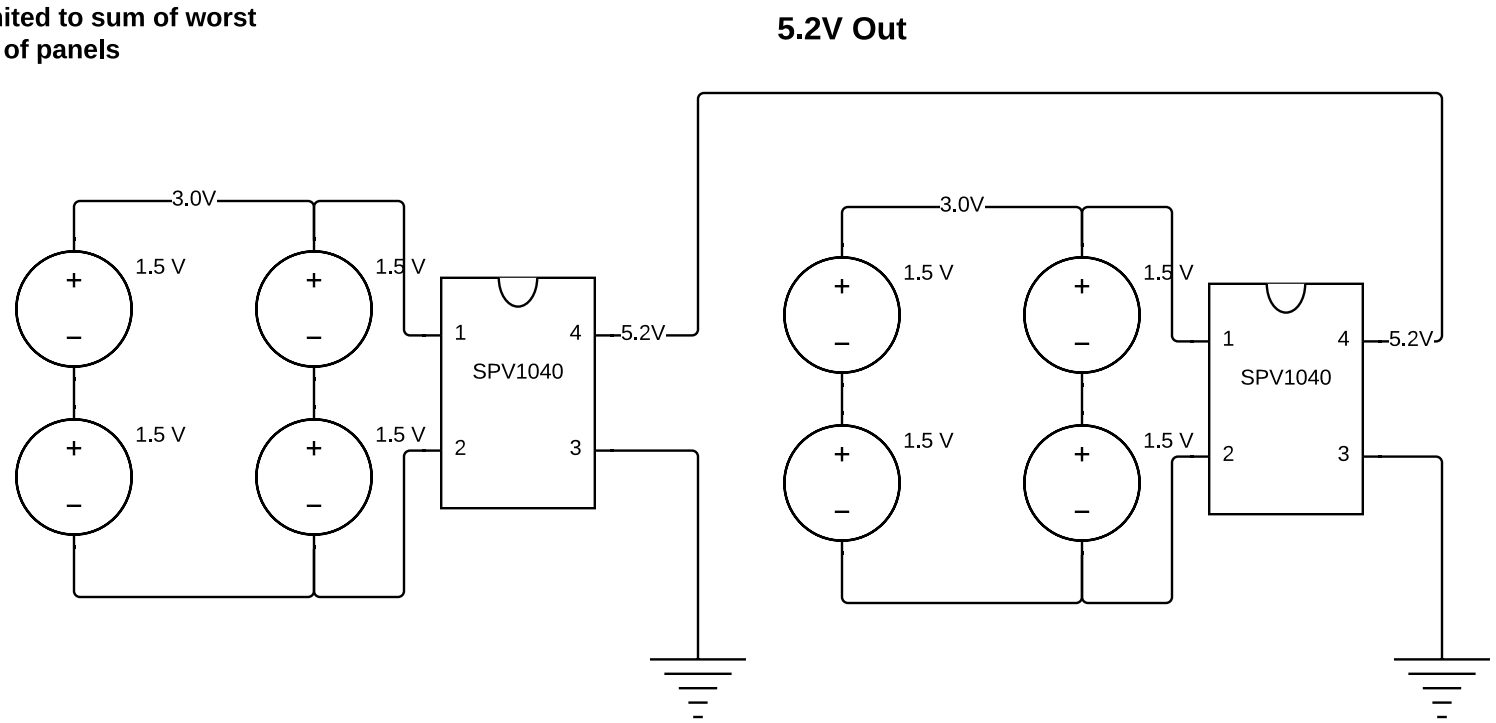
+ Constant output voltage
+ Output voltage configurable on MPPTs
+ Output voltage closer to required 5V
+ Current is additive, not limited to worst performing MPPT block
+ Can use either 4, 2, or 1 MPPT
+ Each petal is maximized
+ Power optimization is local to petal



MPPT Configuration 3

+ Constant output voltage
+ Output voltage configurable on MPPTs
+ Output voltage closer to required 5V
+ Current is additive, not limited to worst performing MPPT block
+ 2 MPPTs instead of 4 (Cost)

– Current is limited to sum of worst performing set of panels



MPPT Configuration 4

+ Constant output voltage
+ Output voltage configurable on MPPTs
+ Output voltage closer to required 5V
+ Current is additive, not limited to worst performing MPPT block
+ Single MPPT instead of 2 or 4 (Cost)

– Current is limited to worst panel