

Auxilliary Battery Cell (AA)				Mud Battery			Output						Notes
Decade Resistor	Supply 1	Meter 1	Power	Supply 2	Meter 2	Power	Meter 4	Meter 3	Power	Ripple	Efficiency		
1M	1.50V	34.22uA	51uW	0.100V	12.08mA	1.208mW	1.129V	1.0uA	1uW	~50mV	0.09%		
100k	1.50V	22.97uA	34uW	0.100V	12.09mA	1.209mW	1.104V	10.9uA	12uW	~60mV	0.97%		
10k	1.50V	33.51uA	50uW	0.100V	12.09mA	1.209mW	0.655V	62.3uA	41uW	~60mV	3.24%		
5k	1.50V	33.60uA	50uW	0.100V	12.08mA	1.208mW	0.347V	63.0uA	22uW	~60mV	1.74%		
1k	1.50V	33.28uA	50uW	0.100V	12.10mA	1.210mW	0.096V	63.7uA	6uW	~65mV	0.49%		
500	1.50V	32.28uA	48uW	0.100V	12.09mA	1.209mW	0.064V	63.5uA	4uW	~65mV	0.32%		
1M	1.50V	37.10uA	56uW	0.200V	24.42mA	4.884mW	1.496V	1.4uA	2uW	~75mV	0.04%		
1M	1.50V	4.26uA	6uW	0.250V	30.45mA	7.613mW	1.641V	1.6uA	3uW	~85mV	0.03%		
1M	1.50V	3.78uA	6uW	0.300V	36.40mA	10.920mW	1.821V	1.7uA	3uW	~100mV	0.03%		
1M	1.50V	2014.30uA	3021uW	0.350V	12.20mA	4.270mW	3.391V	3.3uA	11uW	~150mV	0.15%		
1M	1.50V	3.34uA	5uW	0.325V	39.10mA	12.708mW	1.950V	1.8uA	4uW	~108mV	0.03%		
1M	1.50V	1067.50uA	1601uW	0.335V	20.71mA	6.938mW	3.392V	3.3uA	11uW	~150mV	0.13%		
1M	1.50V	2342.80uA	3514uW	0.400V	8.65mA	3.460mW	3.392V	3.3uA	11uW	~150mV	0.16%		
1M	1.50V	2458.40uA	3688uW	0.450V	6.66mA	2.997mW	3.391V	3.2uA	11uW	~150mV	0.16%		
1M	1.50V	2461.90uA	3693uW	0.500V	5.70mA	2.850mW	3.391V	3.3uA	11uW	~150mV	0.17%		
1M	1.50V	2426.90uA	3640uW	0.550V	4.94mA	2.717mW	3.391V	3.2uA	11uW	~150mV	0.17%		
1M	1.50V	2367.70uA	3552uW	0.600V	4.32mA	2.592mW	3.391V	3.3uA	11uW	~150mV	0.18%		
1M	1.50V	2804.20uA	4206uW	0.640V	-2.42mA	-1.549mW	3.390V	3.3uA	11uW	n/a	0.42%	reverses current?	
1M	1.50V	2605.10uA	3908uW	0.700V	-2.26mA	-1.582mW	3.391V	3.3uA	11uW	n/a	0.48%	reverses current?	
1M	1.50V	2257.10uA	3386uW	0.800V	-2.01mA	-1.608mW	3.391V	3.3uA	11uW	n/a	0.63%	reverses current?	
1M	1.50V	1919.80uA	2880uW	0.900V	-1.72mA	-1.548mW	3.389V	3.3uA	11uW	n/a	0.84%	reverses current?	
1M	1.50V	57.60uA	86uW	1.490V	0.03mA	0.045mW	3.387V	3.3uA	11uW	n/a	8.53%	point where sourcing stops	
600	1.50V	720.50uA	1081uW	0.800V	53.30mA	42.640mW	3.393V	5590.0uA	18967uW	~150mV	43.38%		
9k	1.50V	452.50uA	679uW	0.340V	27.31mA	9.285mW	3.291V	346.0uA	1139uW	~130mV	11.43%		
3.2k	1.50V	366.06uA	549uW	0.400V	33.00mA	13.200mW	3.301V	892.0uA	2944uW	~100mV	21.42%		
3.2k	1.50V	360.89uA	541uW	0.400V	33.00mA	13.200mW	3.295V	890.0uA	2933uW	~100mV	21.34%		