STAR vs Competition Bottom Line Review

1. STAR is four times the power of the Competition

2. STAR is about $15 per watt compared with Competition's $16.50 per watt

3. STAR's power in low light conditions allows for charging batteries while Competition cannot

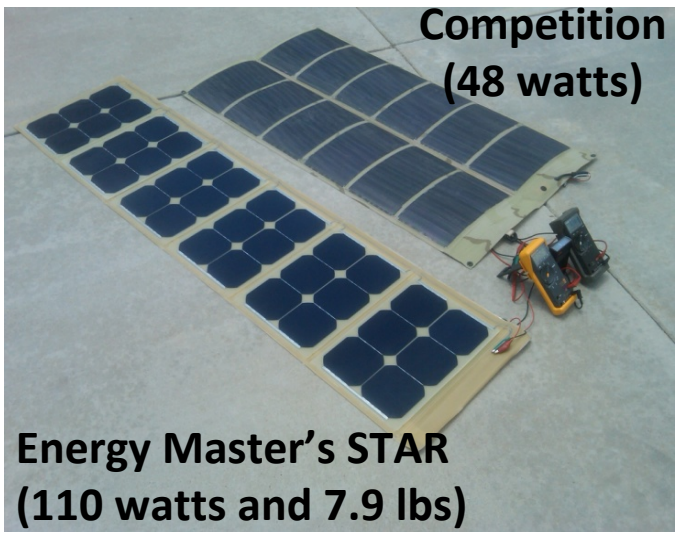
Specification Sheet

for Energy Master's

Solar **T**actical **A**dvanced **R**echarger

STAR (energymasters.com)

STAR Efficiency @ 25 deg C	Cell	Module
Power (Pmp watts)	3	110
Max Power Current (Imp amps)	5.35	5.35
Short Circuit Current (Isc amps)	5.45	5.45
Max Power Voltage (Vmp volts)	.56	20.16
Open Circuit Voltage (Voc volts)	.66	23.76



Deployed Measurements	
STAR (9 sq ft)	Competition (10 sq ft)
72" (l) x 18" (w) x .13" (t)	51" (l) x 18" (w) x .08" (t)

Stowed Measurements	
STAR (1.5 sq ft)	Competition (.89 sq ft)
12" (l) x 18" (w) x .85" (t)	9" (l) x 14.25" (w) x 1.5" (t)

Following side-by-side operational comparison taken with modules lying flat at 5,000 ' altitude

STAR	Competition
Open Circuit Voltage (Voc) 23	Open Circuit Voltage (Voc) 21
Short Circuit Current (Isc) 6.81	Short Circuit Current (Isc) 1.75

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