

Photovoltaic System Specification Sheet

McCracken County High School

6530 Old Hwy 60

Paducah, KY 42001

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|---------------------------------------|----------------------------------|
| Latitude | 37.0704°N |
| Longitude | 88.7326°W |
| Array Azimuth | 180° True South |
| System Type | Fixed Array - 2 high Driven Post |
| System Footprint | 12' x 54' or 648 sq. ft. |
| Array Orientation | Portrait |
| Tilt (Degrees) | 30° from Horizontal |
| System Size (DC) | 10.08 kW |
| System Losses | 14.49% |
| Inverter Efficiency | 96.00% |
| Racking System | Harvest Energy Solutions |
| Module Type | Hanwha Q-Cell 315W |
| Inverter | Fronius Primo 8.2-1 |
| Number of Sub-Arrays | 1 |
| Number of Modules per Sub-Array | 32 |
| Total Number of Modules | 32 |
| Number of Modules per String | See One Line |
| Phase | 240VAC Single Phase |
| Sub-Array Current (AC) | 34.10 Amps |
| Maximum Possible Total System Current | 42.625 Amps |

System Design
By: Harvest
Energy Solutions