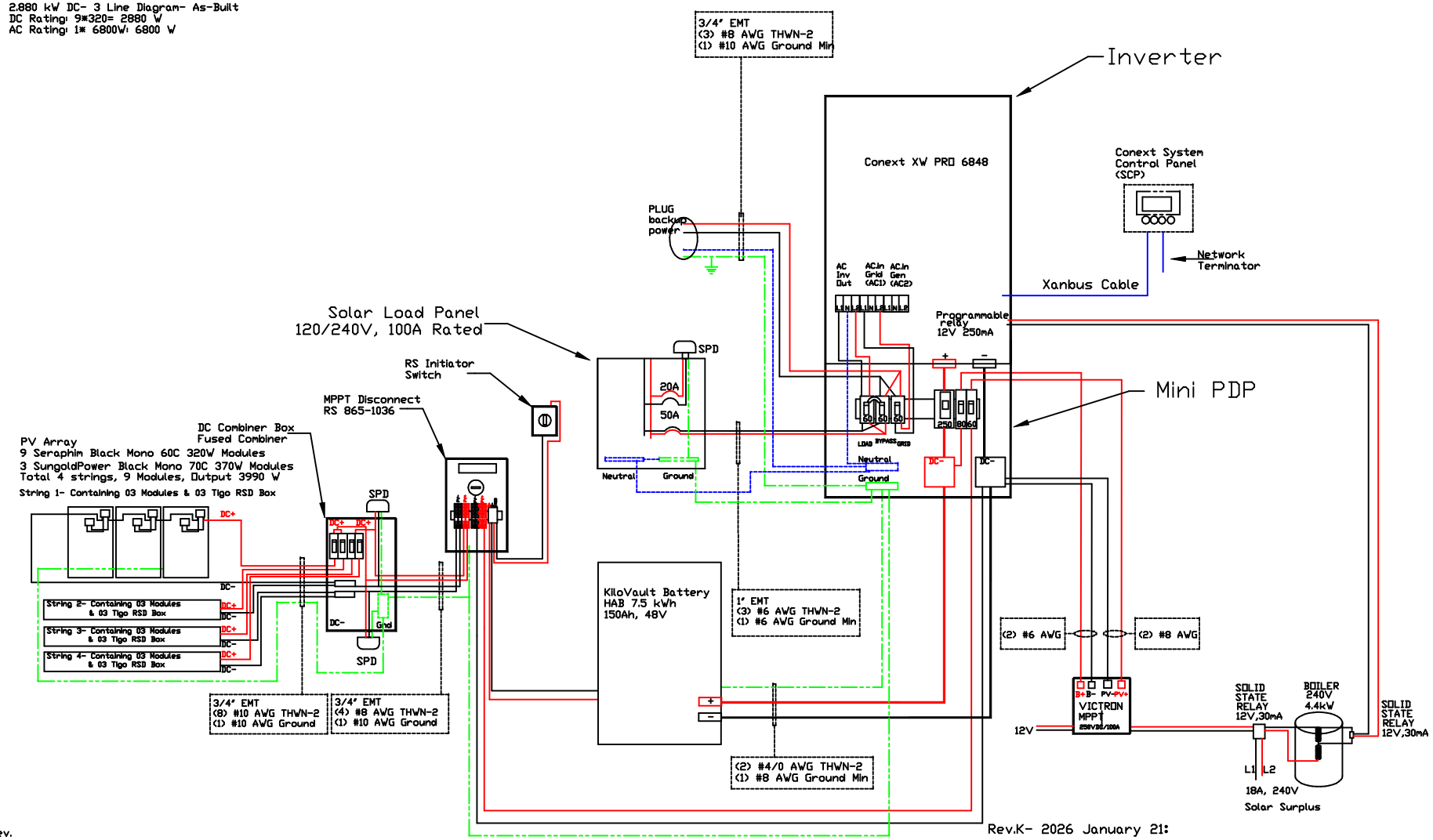
2.880 kW DC- 3 Line Diagram- As-Built
DC Rating: 9*320= 2880 W
AC Rating: 1* 6800W: 6800 W




Abbrev.

AWG: American Wire Gauge
EMT: Electrical Metal Tube
RSD: Rapid ShutDown
PDP: Power Distribution Panel
SPD: Surge Protector Device (lightning to PV/grid/wellpump)
THWN-2: 90°C/ wet rated

Rev.K- 2026 January 21:
6AWG upgrade cables MPPT to battery
dump load triggers:
MPPT 55.5V: dump 2kW thru parallel heating elements
inverter 55.8V: dump 4kW (bypass upper element)