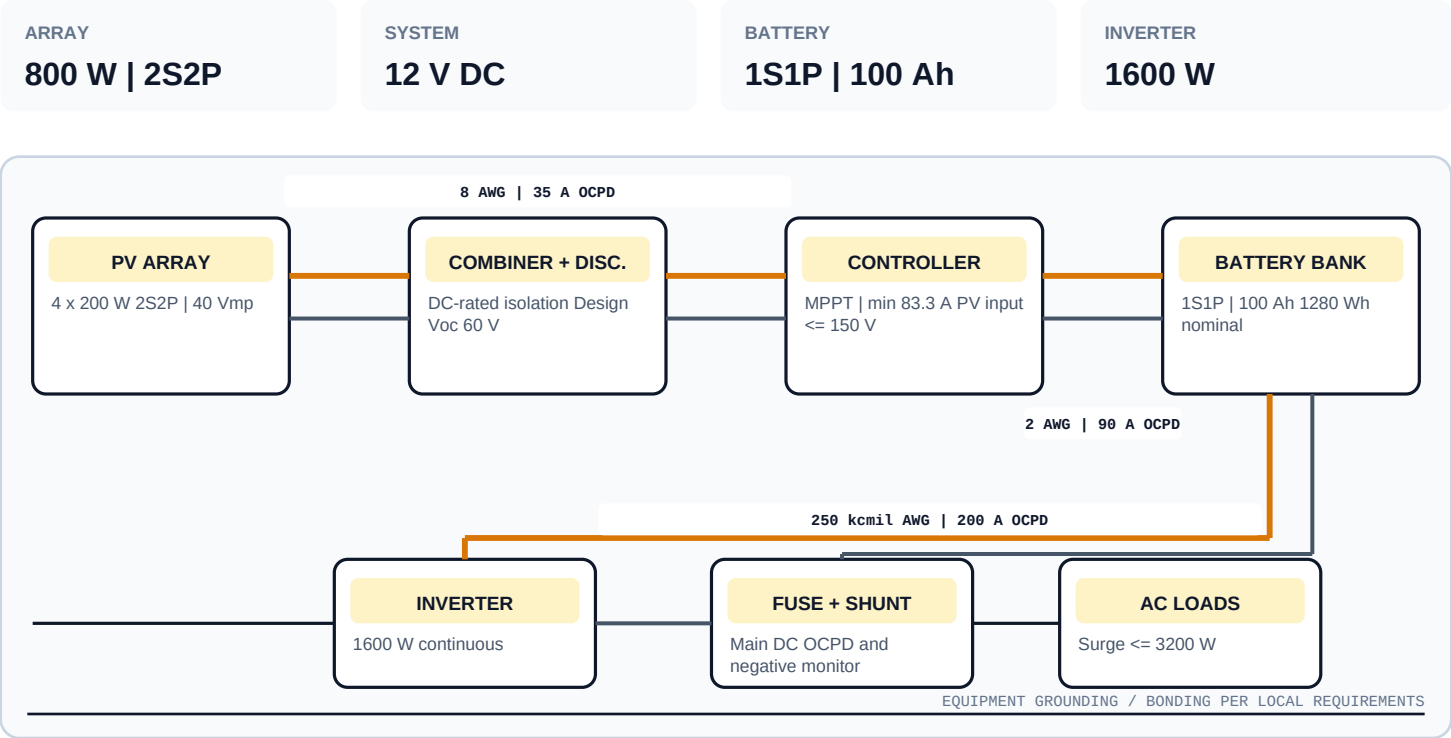


ONE-PAGE SOLAR WIRING PLAN

FREE DIAGRAM



WIRE AND OCPD SCHEDULE

RUN	ONE-WAY	CONDUCTOR	CURRENT	DROP	OCPD
Array Controller	21 ft	8 AWG CU	32.8 A	2.68%	35 A
Controller Battery	10 ft	2 AWG CU	66.7 A	2.16%	90 A
Battery Inverter	5 ft	250 kcmil AWG CU	148.1 A	0.64%	200 A

PLANNING DOCUMENT - NOT A PERMIT SET

This conceptual plan is generated from the inputs shown. Verify equipment manuals, terminal temperature ratings, conductor insulation, environmental derating, local amendments, grounding, bonding, rapid shutdown, and permit requirements with the authority having jurisdiction before purchase or installation.

CALCULATION BASIS

NEC 2023 Table 310.16 (60 C column); Chapter 9 Table 8; 240.6(A); 690.7; 690.8. Design values do not replace adopted-code review.