

Independent dc MPPT Inputs:
2 input x 2 independent MPPT
26 Imp / 40 Isc per MPPT

Inverter ac Output Circuit Breaker:

- 5.0K Inv., 30A ACPD
- 7.6K Inv., 40A OCPD
- 10.0K Inv., 60A OCPD

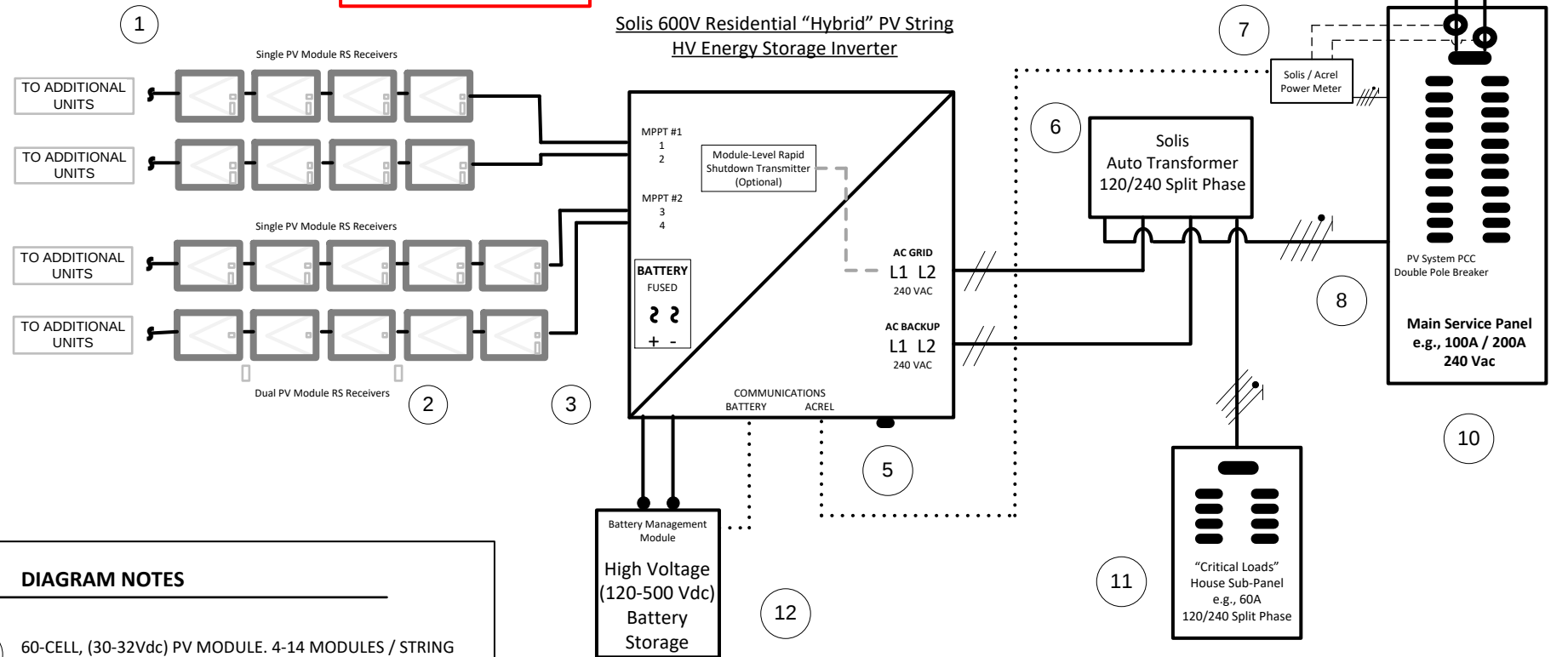


DIAGRAM NOTES

- 60-CELL, (30-32Vdc) PV MODULE. 4-14 MODULES / STRING
72-CELL, (36-38Vdc) PV MODULE, 4-12 MODULES / STRING
(e.g. 200-500W, PER NEC 690.2)
- RAPID SHUTDOWN RECEIVERS – PV MODULE LEVEL
(1-MODULE AND/OR 2-MODULE, PV MODULE MOUNT)
- DC CONDUCTORS AND WIRE MANAGEMENT IN FREE AIR
(e.g. PV WIRE, TC-ER CABLE, BARE GROUNDING CONDUCTOR)
- NEMA 4X SOLIS INVERTER WITH INTEGRATED RS TRANSMITTER
(5.0-10.0 kWac, AWG #12-10 PV Wire, AWG #10-4 THWN)
- SOLIS WI-FI DATA MONITORING DEVICE PLUG POINT
(e.g. SOLIS WI-FI STICK, SOLIS LAN STICK, SOLIS CELL STICK)

- SOLIS AUTOTRANSFORMER 120/240 SPLIT PHASE
(e.g. 6000 WATT, 7000W SURGE)
- ACREL (SOLIS POWER METER)
(INCLUDES @CT FOR GRID L1 AND L2, 120 VAC, NEMA 1)
- POINT OF COMMON COUPLING (PCC) INVERTER OUTPUT CIRCUIT BREAKER; 240V. BACKFEED RATED. SIZE FOR INVERTER RATED AC CURRENT OUTPUT AT MAX POWER × 125%.
(e.g. DOUBLE POLE SINGLE THROW 20-60 AMP)

- UTILITY SERVICE METER
(EXTERIOR)
- EXISTING OCCUPANCY MAIN SERVICE PANEL
(e.g. EXISTING, 100 AMP, 200 AMP)
- NEW OCCUPANCY CRITICAL LOAD SUB PANEL
(e.g., NEW 60A 120/240 SPLIT PHASE NEMA 1)
- PV SYSTEM HIGH VOLTAGE ENERGY STORAGE BATTERY
(120-500 Vdc, 5-90 kWhr, FUSED DC INPUT, BATTERY COMMS)

DRAWING TITLE

Solis Hybrid High Voltage Energy Storage Inverter
5.0 kW to 10.0 kW
240 VAC Single Phase PV + Battery System Example

REV

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DATE

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SCALE

NONE

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