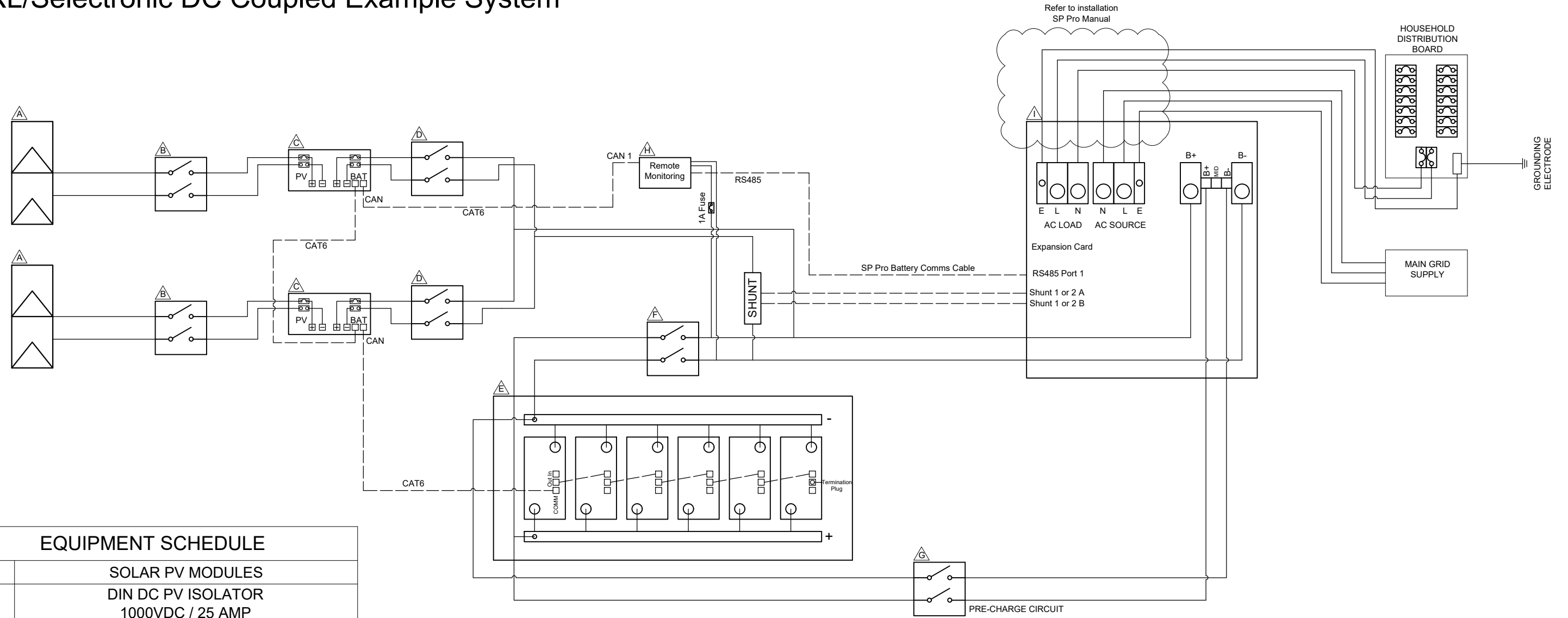


AERL/Selectronic DC Coupled Example System

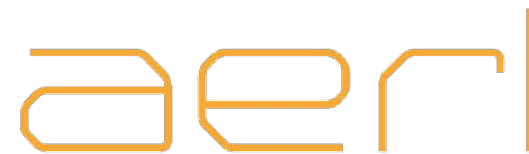


EQUIPMENT SCHEDULE	
A	SOLAR PV MODULES
B	DIN DC PV ISOLATOR 1000VDC / 25 AMP
C	AERL CoolMax SRX 600/70-48 CHARGE CONTROLLER
D	DIN DC BREAKERS 600VDC / 80 AMP
E	BATTERY BANK AERL LiFe ² 5120S 1 STRING OF 6 (48VDC)
F	MAIN BATTERY ISOLATOR
G	PRE-CHARGE ISOLATOR
H	AERL NEXUS GATEWAY REMOTE MONITORING CAN BUS and RS485 - RJ45
I	SELECTRONIC SP PRO SERIES 2i INVERTER SPMC482-AU 240VAC 48VDC 7500 WATTS

GENERAL NOTES	
1	Read all manuals completely prior to installation of system components and wiring, for critical information, installation sequences, components settings and operation procedures.
2	This diagram depicts layout and wiring only. Physical layout may vary, contractor for specific details.
3	Refer to manuals and equipment labels for wiring termination locations.
4	On-Site location of equipment may be subject to the approval of a utility provider.
5	Wire run distance may affect wire and conduit sizes. No more than 2% voltage drop over wiring is recommended.
6	Please contact contractor/technician for questions about this system or diagram.

REV.	DATE	DRAWN	DESCRIPTION	CHECKED	APPR'D
5	12-11-24	R.J	ISSUED FOR APPROVAL	S.M	R.J
4	11-11-24	R.J	ISSUED FOR APPROVAL	S.M	R.J
3	09-10-24	R.J	ISSUED FOR APPROVAL	S.M	R.J
2	08-10-24	R.J	ISSUED FOR APPROVAL	S.M	R.J
1	07-10-24	R.J	ISSUED FOR APPROVAL	S.M	R.J

SCALE:	N.T.S	DESIGNED:	P.W
DRAWN:	R.J	DISCIPLINE:	Electrical Schematic
CHECKED:	P.W	PROJECT LEADER:	N / A
DRG. FILE NAME:	N / A	CLIENT:	N / A



PROJECT	
AERL / Selectronic Small Off-Grid System Line Diagram	
SHEET 1 OF 1	
A3	P No: AS-001-010-01
REV.No. 5	