

SYSTEM SPECIFICATIONS	
SYSTEM SIZE DC	7,725.78 kW
SYSTEM SIZE AC	4,995.00 kW
DC/AC RATIO	1.55
MODULE MANUFACTURER	JINKO SOLAR
MODULE MODEL	JKM570M-72HL4-TV
MODULE RATING	570 W
TOTAL MODULE QTY	13,554
MODULES PER STRING	27
TOTAL NO. OF STRINGS	502
INVERTER MODEL	SOLIS 185K EHV 5G US-PLUS
INVERTER RATING	186.50 kW*
INVERTER QTY	30
NO. OF STRINGS PER INVERTER	16, 17
STEP-UP TRANSFORMER	13.8kV/600V, (2) 2747kVA
RACKING	ATI HSAT
TILT ANGLE	0°
TOTAL NO. TRACKER ROW WITH 108 MODULES	100
TOTAL NO. TRACKER ROW WITH 54 MODULES	51
INTER-ROW SPACING	16.6'
PITCH	24.1'
GCR	31%
AREA OCCUPIED	32.21 AC

\* INVERTERS ARE TO BE FACTORY PROGRAMMED TO OUTPUT 186.50kW MAX.

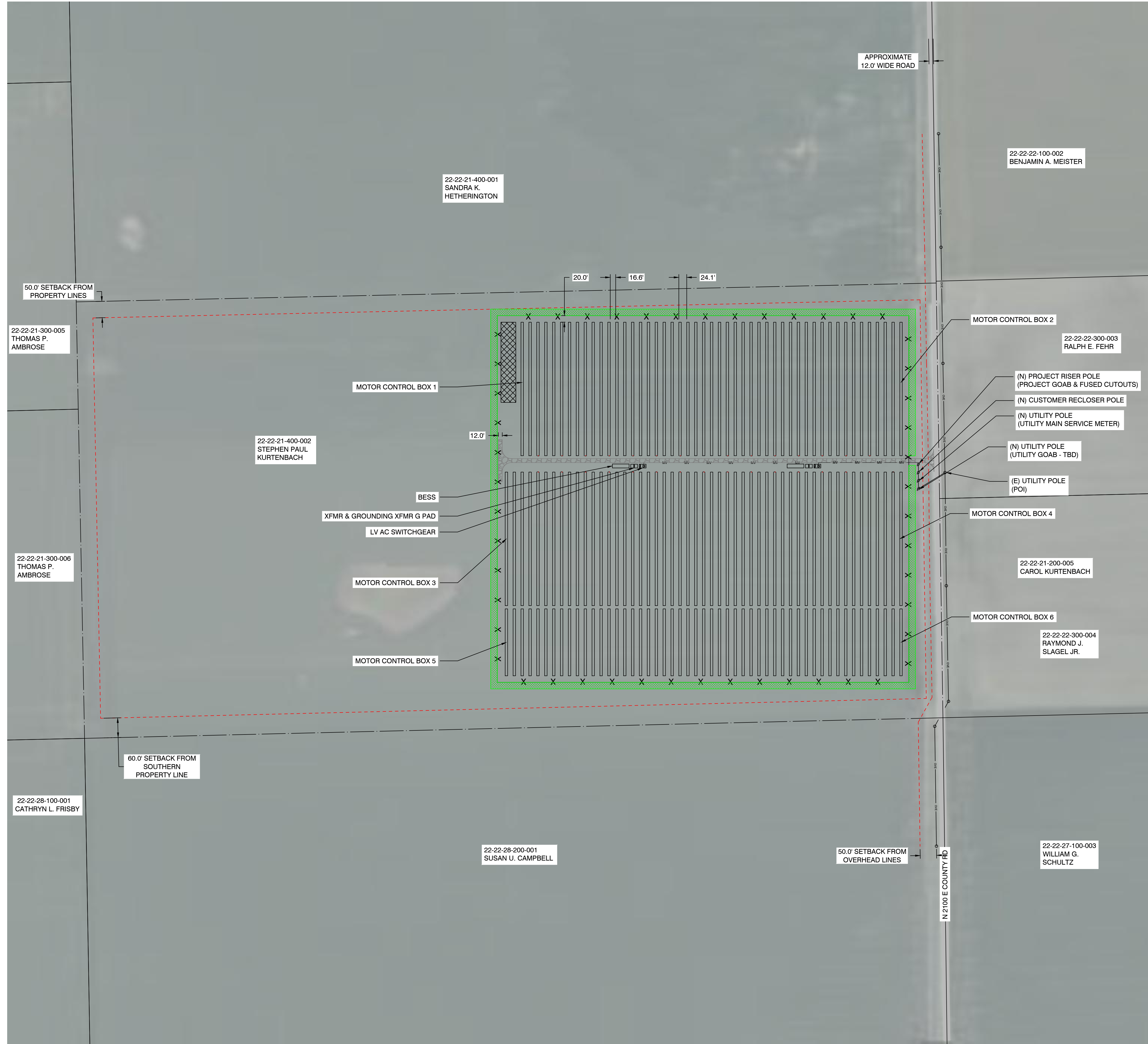
BESS SPECIFICATIONS	
MANUFACTURER	SYL BATTERY CO., LTD
RATED POWER	2,720 kW
CAPACITY	5,447.68 kWh
MODEL	SU340U170K

- GENERAL NOTES**
- CUSTOMER POLE. UTILITY AC DISCONNECT, FUSED, ACCESSIBLE, VISIBLE AND LOCKABLE DISCONNECT. PROVIDE PLACARD STATING "UTILITY AC DISCONNECT".
  - DISCONNECT: WILL BE ACCESSIBLE, LOCKABLE, VISIBLE BLADE DISCONNECT.
  - PV INSTALLATION TO COMPLY WITH NEC 2020 ARTICLE 690 AND ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES OR REGULATIONS.
  - EQUIPMENT SHALL BE LABELED PER NEC 2020 ARTICLE 690.
  - 12' ACCESS DRIVES SHALL BE DESIGNED TO ACCOMMODATE ALL CONSTRUCTION, OPERATIONS, MAINTENANCE AND UTILITY TRAFFIC THROUGHOUT THE SITE.
  - PROVIDE UTILITY 24/7 UNESCORTED KEYLESS ACCESS.
  - ALL EQUIPMENT CLEARANCES AND WORK SPACES SHALL COMPLY WITH NEC 2020 REQUIREMENTS.

ADJACENT PROPERTIES		
APN	OWNER	ACREAGE
22-22-21-300-006	THOMAS P. AMBROSE	60.05
22-22-21-300-005	THOMAS P. AMBROSE	60.15
22-22-21-400-001	SANDRA K. HETHERINGTON	80.07
22-22-22-100-002	BENJAMIN A. MEISTER	238.31
22-22-22-300-003	RALPH E. FEHR	40.85
22-22-22-300-004	RAYMOND J. SLAGEL JR.	40.86
22-22-27-100-003	WILLIAM G. SCHULTZ	40.06
22-22-28-200-001	SUSAN U. CAMPBELL	238.85

ACREAGE BREAKOUT	
CROPLAND	79.92 Ac
TIMBER	0 Ac
TOTAL	79.92 Ac

LEGEND	
	108 MODULES TRACKER ROW
	54 MODULES TRACKER ROW
	(1) 600V 3500A PANELBOARD
	POWER STATION - (1) MV TRANSFORMER, (1) DAS, (1) WEATHER STATION
	STRING INVERTER
	12' WIDE SITE ACCESS ROAD
	EXISTING ROADS
	PROPERTY LINE
	SETBACK
	U.G. MEDIUM VOLTAGE CABLE
	UTILITY CIRCUIT
	PROJECT SITE SECURITY FENCE
	STORM WATER BASIN
	LANDSCAPE BUFFER



PROJECT:

**USS CEK 2 SOLAR LLC**

PROJECT ADDRESS:  
N 2100 E RD,  
FAIRBURY, IL 61739

LAT: 40.789429°  
LON: -88.528916°

REV. NO.	DESCRIPTION	DATE
0	FOR INTERCONNECT APPLICATION	08/11/23

SHEET TITLE:

**PRELIMINARY LAYOUT**

DRAWING NO.:

**PV-100**

DRAWN BY:

LR

REVIEWED BY:

DATE:

08/11/23

SCALE:

AS SHOWN

PROJECT NO.:

**1** ARRAY PLAN  
SCALE: 1" = 150'

