

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	166.50 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	49
TOTAL NO. TRACKER ROW WITH 81 MODULES	102
INTER-ROW SPACING	15.1'
PITCH	22.6°
GCR	33%
AREA OCCUPIED	30.34 AC
* INVERTERS ARE TO BE FACTORY PROGRAMMED TO OUTPUT 166.50kW 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
22-22-21-200-005	CAROL E. KURTENBACH	80.51
22-22-21-200-003	RAYMOND J. SLAGEL JR.	39.75
22-22-22-100-002	BENJAMIN A. MEISTER	238.31
22-22-21-400-001	SANDRA K. HETHERINGTON	80.07

ACREAGE BREAKOUT	
CROPLAND	39.86 Ac
TIMBER	0 Ac
TOTAL	39.86 Ac

LEGEND	
	108 MODULES TRACKER ROW
	81 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



1 ARRAY PLAN
SCALE: 1" = 100'



PROJECT:
USS CEK 3 SOLAR LLC

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

LAT: 40.796501°
LON: -88.528517°

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.: