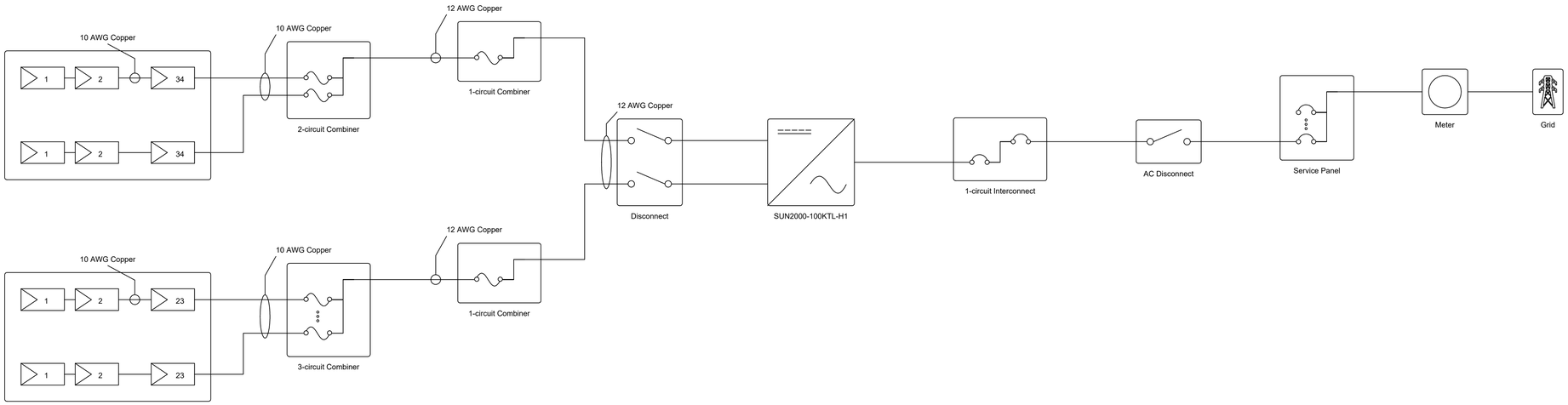
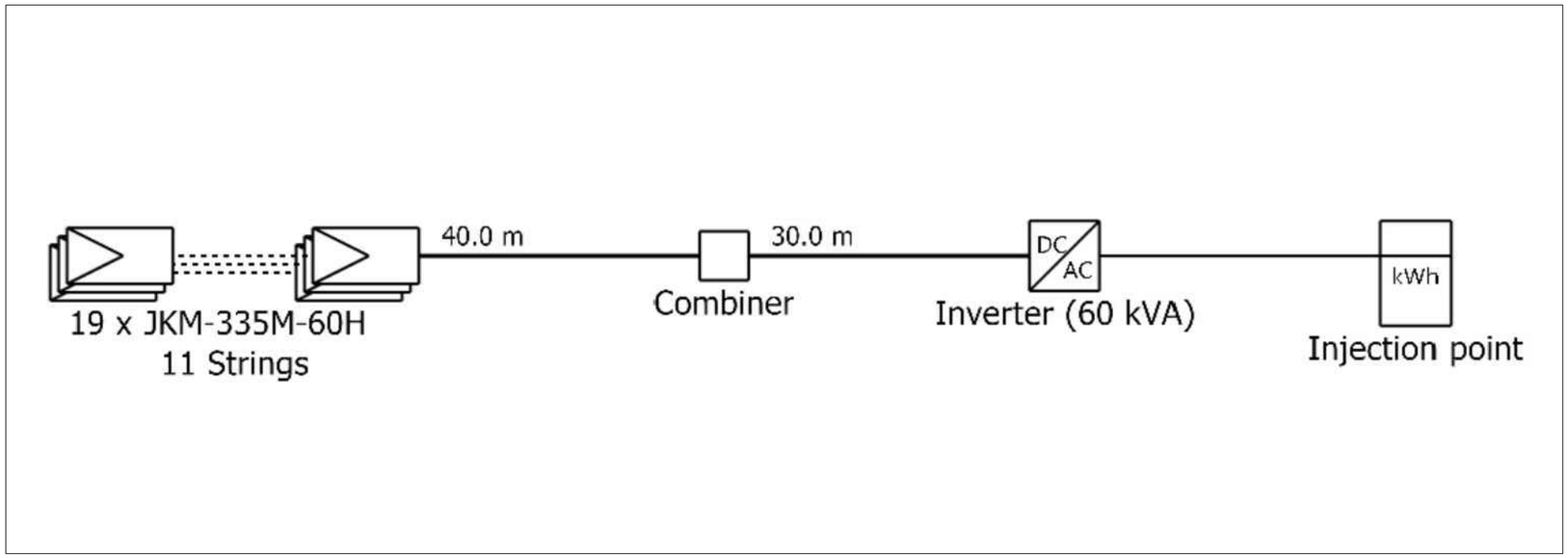


Module Specifications	
137x Jinko JKM320M-60HBL or Eqivalent	
STC Rating	320 W
Vmp	33.4 V
Imp	9.59 A
Voc	40.9 V
Isc	10.15 A

Inverter Specifications	
1x Huawei SUN2000-100KTL-H1 or Equivalent	
Max AC Power Rating	100 kW
Max Input Voltage	1,500 V
Min AC Power Rating	0 W
Min Input Voltage	600 V

Wire Schedule		
Tier	Wire	Length
Trunk	2x 12 AWG	34m
Bus	2x 12 AWG	<1m
String	5x 10 AWG	80m



General Notes

- The drawing to be used as a guideline for system configuration and was used for design simulation
- Contractor to produce construction drawings as specification of equipment and material supplied .

DRAWING TITLE:

CHOGORIA COOLING CENTER

LINE DIAGRAMS

SURVEYED BY:

.....

DESIGNED BY:

ENG. J. MATANTUE

.....

CHECKED & APPROVED BY:

ENG. A. MUSUSI

.....

No.	Revision/Issue	Date

Firm Name and Address

NATIONAL AGRICULTURAL VALUE CHAIN DEVELOPMENT PROJECT

(NAVCDP)

MERU COUNTY

Project Name and Address

GRID TIE SYSTEM DESIGN

MERU COUNTY

Project	Sheet
CHOGORIA	1
Date: 02.06.2025	
Scale: NTS	Sheet 1 of



General Notes

- The drawing to be used as a guideline for system configuration and was used for design simulation
- Contractor to produce shop drawings / construction drawings as per specification of equipment and material supplied .

DRAWING TITLE:

CHOGORIA COOLING CENTER

LAYOUT

SURVEYED BY:

.....

DESIGNED BY:

ENG. J. WANDUE

.....

ENGINEERS BOARD OF KENYA A4181

CHECKED & APPROVED BY:

ENG. .....

.....

No.	Revision/Issue	Date

Firm Name and Address

NATIONAL AGRICULTURAL VALUE CHAIN DEVELOPMENT PROJECT

(NAVCDP)

MERU COUNTY

Project Name and Address

GRID TIE SYSTEM DESIGN

MERU COUNTY

Project	Sheet
CHOGORIA	2
Date: 02.06.2025	
Scale: NTS	Sheet 2 of 2