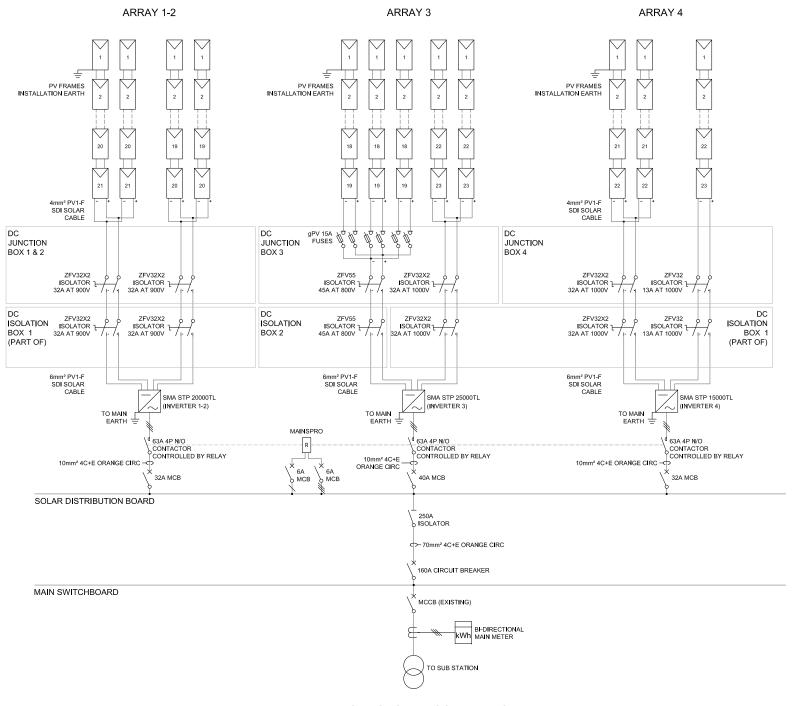
- Technology: Solar PV
 Maximum Power: 80 kW
- 3. Contribution to fault levels: N/A
- 4. Size & rating of the relevant Transformer: N/A
- 5. Single line diagram: refer to following page
- 6. Protection Systems & Communication Systems: refer to following page 7. Voltage Control and reactive power capability: N/A 8. Details specific to the location of facility: N/A

ITEM	SPECIFICATION	QTY
MODULE	DUOMAX 260W	334
INVERTER	SMA STP 25000TL	1
	SMA STP 20000TL	2
	SMA STP 15000TL	1
TOTAL		86.84kWP



ARRAY 1-2

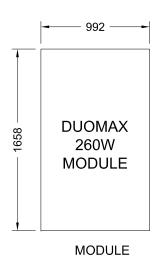
	MPPT1	MPPT2
Panel Type	Trina Duomax 260P	Trina Duomax 260P
Number of Panels in Series (N)	21	20
Number of Parallel Strings	2	2
Total Number of Panels	82	2
Inverter Type	SMA STP20	000TL-30
Number of Individual MPPT's	2	
Rated Power (W)	10915	10395
Total Rated Power (W)	213	10
Panel Voc (V)	37.6	37.6
Panel Isc (A)	9.1	9.1
Fill Factor	0.759469254	0.759469254
Input Voc (V)	789.6	752
Input Isc (A)	18.2	18.2
PV Array Min Voltage	514.164	489.68
PV Array Max Voltage	860.35	819.38
Distance to Junction Box (m)	120	
DC Cable Resistance (Ohm*mm2/m)	0.01	.72
Min cable size (mm2)	2.38	2.50
Cable Size selected (mm2)	4	4
Voltage drop (%)	1.19	1.25
String Protection Needed	NO	NO
Distance to Inverter (m)	15	
DC Cable Resistance (Ohm*mm2/m)	0.01	.72
Min cable size (mm2)	0.66	0.71
Cable Size selected (mm2)	6	6
Voltage drop (%)	0.20	0.21
Total voltage drop (panel-inverter) (%)	1.39	1.46
DC Isolation min voltage [per pole rating] (V)	860.35	819.38
DC Isolation min Current (A)	22.75	22.75
Phases output	3	
Max AC current [per phase; line to neutral] (A)	29.00	
AC Breaker min Current (A)	29.00	
AC Breaker max Current (A)	58.00	
AC Breaker Chosen (A)	32	
Distance to POC (m)	10.00	
Cable Impedance (Ohm*mm2/m)	0.018	
Min cable size (mm2)	4.35	
AC Cable size (mm2)	10.00	

ARRAY 3

	MPPT1	MPPT2
Panel Type	Trina Duomax 260P	Trina Duomax 260P
Number of Panels in Series (N)	19	23
Number of Parallel Strings	3	2
Total Number of Panels	10	3
Inverter Type	SMA STP25	5000TL-30
Number of Individual MPPT's	2	
Rated Power (W)	14813	11954
Total Rated Power (W)	267	67
Panel Voc (V)	37.6	37.6
Panel Isc (A)	9.1	9.1
Fill Factor	0.759469254	0.759469254
Input Voc (V)	714.4	864.8
Input Isc (A)	27.3	18.2
PV Array Max Voltage	778.41	942.29
Distance to Junction Box (m)	12	0
DC Cable Resistance (Ohm*mm2/m)	0.01	172
Min cable size (mm2)	2.63	2.17
Cable Size selected (mm2)	4	4
Voltage drop (%)	1.31	1.09
String Protection Needed	YES	NO
String Protection Min Voltage (V)	778.41	942.29
String Protection Min Current (A)	13.65	13.65
String Protection Max Current (A)	15.00	15.00
Distance to Inverter (m)	19	5
DC Cable Resistance (Ohm*mm2/m)	0.01	172
Min cable size (mm2)	1.17	0.57
Cable Size selected (mm2)	6	6
Voltage drop (%)	0.33	0.18
Total voltage drop (panel-inverter) (%)	1.64	1.27
DC Isolation min voltage [per pole rating] (V)	778.41	942.29
DC Isolation min Current (A)	34.13	22.75
Phases output	3	
Max AC current [per phase; line to neutral] (A)	36.	20
AC Breaker min Current (A)	36.20	
AC Breaker max Current (A)	72.40	
AC Breaker Chosen (A)	41)
Distance to POC (m)	10/	00
Cable Impedance (Ohm*mm2/m)	0.018	
Min cable size (mm2)	5.4	13
AC Cable size (mm2)	10.00	

ARRAY 4

MPPT1			
Pamel Type		MPPT1	MPPT2
Number of Parallel Strings 2 1 Total Number of Janels 67 Incentifying 57 Incentifying 5MASTIVISCOUTI-10 Number of Individual MPPTs 2 Standed Power (W) 11431 Total Rated Power (W) 17411 Tanel Voc (V) 37.6 37.6 Famel Sc (A) 9.1 9.1 Fill Faster 0.759469254 0.759469254 Input Voc (V) 872.2 864.8 Imput Voc (V) 872.2 864.8 PD Array Max Voltage 91.32 942.29 Distance to Junction Box (m) 120 DC Cable Resistance (Ohm*mm2/m) 0.0172 Min cable size (mem2) 2.27 2.17 Cable Size selected (mm2) 4 4 4 Voltage drop (S) 1.14 1.09 String Protection Needed NO NO NO Distance to Inverter (m) 15 CDC Cable Resistance (Ohm*mm2/m) 0.0172 Min cable site (mm2) 0.61 0.28	Panel Type	Trina Duomax 260P	
Total Number of Panels 70	Number of Panels in Series (N)	22	23
Inverter Type	Number of Parallel Strings	2	1
Number of Individual MPPT's 2	Total Number of Panels	67	,
Rated Power (W)	Inverter Type	SMA STP15	000TL-10
Total Rated Power (W) 17411 **Famel Voc (V) 37.6 37.6 **Famel Voc (V) 37.6 37.6 **Famel Voc (V) 37.6 37.6 **Famel Voc (V) 9.1 9.1 **Famel Voc (V) 9.1 **Famel Voc (V) 9.1 **Famel Voc (V) 827.2 854.8 **Famel Voc (V) 9.1 **Fa	Number of Individual MPPT's	2	
Panel Voc (V) 37.6 37.6 Panel Is (A) 9.1 9.1 Fill Ractor 0.759469234 0.759469234 Input to (A) 18.2 9.7 Input to (V) 827.2 854.8 Input to (C) 18.2 9.1 PV Array Min Voltage 588.648 563.132 PV Array Max Voltage 901.32 942.29 Distance to Junction Box (m) 0.0172 Min cable size (mm.) 2.27 2.17 Cable Size selected gromp 2.27 2.17 Local Size selected from 2) 4 4 Voltage drop (S) 1.1.4 1.09 String Protection Needed NO NO DC Cable Resistance (Ohm*mm./m) 0.0172 Min cable size (mm.) 0.61 0.28 Back Size selected from 2) 6.6 6 Voltage drop (S) 0.19 0.09 Total voltage ser (pm.) 0.51 0.28 Local Size selected from 2) 6.6 6 Voltage drop (S) 1.1.2 <td>Rated Power (W)</td> <td>11434</td> <td>5977</td>	Rated Power (W)	11434	5977
Panel Its (A) 9.1 9.1 9.1 Fill Factor 0.793469254 0.793469254 0.793469254 0.793469254 0.793469254 0.793469254 0.793469254 0.793469254 0.793469254 9.1 2.22 2.2 8.4.8 Input Use (A) 18.2 9.1 9.1 3.2 9.2 2.2 7.2 2.17 2.2 2.2 7.2 2.17 Cable Size (a) 0.0172 2.2 2.2 2.17 Cable Size (see (come?) 4 4 4 4 4 4 4 4 4 4 4 4 4 1.1 1.0 9.0 1.0 1.0 2.2 2.2 1.2 2.2 1.2 2.2 1.2 2.2 1.2 2.2 1.2 2.2 1.1 1.0 0.0 1.1 1.0 9.0 1.0 0.0 1.2 2.2 1.1 1.0 0.0 1.0 1.2 2.8 2.2 2.0 1.2 2.8 2.2 2.0 1.2 <td< td=""><td>Total Rated Power (W)</td><td>174</td><td>11</td></td<>	Total Rated Power (W)	174	11
Fill Factor 0.759469254 0.759469254 0.759469254 0.759469254 0.759469254 0.759469254 0.759469254 0.759469254 0.759469254 0.827.2 864.8 9.1 82.2 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1	Panel Voc (V)	37.6	37.6
Input Voc (V)	Panel Isc (A)	9.1	9.1
Input tis (A) 18.2 9.1 PW Array May Voltage 538.648 563.132 PW Array May Voltage 931.32 942.29 Distance to Junction Box (m) 1120 DC Cable Resistance (Ohm*mm2/m) 0.0172 Min cable size (mm2) 2.27 2.17 Cable Size selected (mm2) 4 4 4 Covitage drop (Si) 1.14 1.09 String Protection Needed NO NO NO NO Bistance to Inverter (m) 15 Distance to Inverter (m) 15 Cable Size selected (mm2) 0.0172 Min cable size (mm2) 0.0172 Distance to Inverter (m) 0.019 Distance to Distance to Inverter (m) 0.019 Distance to Distance to Inverter (m) 0.019 Distance to Distance to Inverter (m) 0.018 Distance to POC (m) 1.000 Cable Impedance (Ohm*mm2/m) 0.018 Min cable size (mm2) 3.60	Fill Factor	0.759469254	0.759469254
PV Array Min Voltage 538.649 563.132 PV Array Max Voltage 901.32 942.29 Stotance to Junction Box (m) 120 DC Cable Resistance (Ohm*nma/m) 0.0172 Min cable size (mm2) 4 4 4 Voltage drop (S) 1.14 1.09 String Protection Needed No NO NO DC Cable Resistance (Ohm*nma/m) 0.0172 Min cable size selected (mm2) 4 4 4 Voltage drop (S) 1.14 1.09 String Protection Needed NO NO NO DC Cable Resistance (Ohm*nma/m) 0.0172 Min cable size (mm2) 6 6 6 6 Voltage drop (S) 1.32 1.18 DC Cable Resistance (Ohm*nma/m) 1.32 1.18 DC Isobiotion min voltage (per pole rating) (V) 901.32 942.29 DC Isobiotion min Current (A) 22.75 1.138 Max AC current (per phase; line to neutral) (A) 24.00 AC Breaker min Current (A) 24.00 AC Breaker min Current (A) 32 Distance to POC (m) 1.000 Cable impedance (Ohm*nma/m) 1.0018 Min cable size (PoC (M) 0.018 Min cable size (PoC (M) 0.0	Input Voc (V)	827.2	864.8
PV Array Max Voltage 901.32 942.29 Distance to Junction Box (m) 0.0172 Min cable size (mm2) 2.27 2.17 Cable Size selected (mm2) 4 4 4 Voltage drop (%) 1.14 1.09 String Protection Needed No No No No Distance to Inverter (m) 15 DC Cable Resistance (Ohm*mm2/m) 0.0172 Min cable size (mm2) 0.61 0.28 Each Size selected (mm2) 0.09 Total voltage drop (panel-inverter) (%) 1.32 1.18 DC Cable Size selected (mm2) 0.33 942.29 DC Isolation min voltage (per pole rating) 1/9 1.33 942.29 DC Isolation min voltage (per pole rating) 1/9 1.33 942.29 DC Isolation min voltage (per pole rating) 1/9 1.33 942.29 CK Bracker man Current (A) 24.00 AC Bracker min Current (A) 48.00 AC Bracker man Current (A) 48.00 AC Bracker man Current (A) 32 Distance Impediance (Ohm*mm2/m) 0.018 Min cable size (mm2) 3.60 Min cable size (mm2) 3.60	Input Isc (A)	18.2	9.1
Distance to Junction Box (m)	PV Array Min Voltage	538.648	563.132
DC Cable Resistance (Ohm*mm2/m) Min cable size (mm2) 4 4 4 4 Voltage drop (%) String Protection Needed NO NO NO DC Cable Resistance (Ohm*mm2/m) Min cable size exected (mm2) 4 4 4 4 4 Voltage drop (%) 1.14 1.09 String Protection Needed NO NO NO NO DC Cable Resistance (Ohm*mm2/m) Min cable size (mm2) 6 6 6 6 6 Voltage drop (%) 1.32 1.18 DC Isolation min voltage (per pole rating) (V) DC Solation min Current (A) DC Isolation min Current (A) AC Breaker ma Current (A) AC Breaker min Current (A) AC Breaker Chosen (A) 3 Distance to POC (m) 1000 Cable impedance (Ohm*mm2/m) Min cable size (Pom2) 3.60 Min cable size (Pom2) 3.60 Min cable size (Pom2) 3.60	PV Array Max Voltage	901.32	942.29
Min cable size (mm2) 2.27 2.17 Cable Size selected (mm2) 4 4 4 4 4 4 4 4 100 400 401 40 1.14 1.09 String Protection Needed No	Distance to Junction Box (m)	120	
Cable Size selected (mm2)	DC Cable Resistance (Ohm*mm2/m)	0.0172	
Voltage drop (%) 1.14 1.09 String Protection Needed NO NO String Protection Needed NO NO DC Cable Besistance (Ohm*nma2/m) 15 DC Cable Besistance (Ohm*nma2/m) 0.61 0.28 Min cable size selected (mm2) 6 6 6 6 Voltage drop (%) 0.19 0.09 1.22 Total voltage drop (panel-inverter) (%) 1.32 1.18 1.18 DC Isolation min voltage (per pole rating) (V) 90.132 942.29 1.138 DC Isolation min Current (A) 3 3 48.00 AC Breaker min Current (A) 24.00 AC Breaker min Current (A) 48.00 AC Breaker min Current (A) 48.00 AC Breaker man Current (A) 32 Distance to POC (m) 1.00 Cable impedance (Ohm*nma2/m) 0.018 Min cable size (mm2) 3.60	Min cable size (mm2)	2.27	2.17
String Protection Needed NO NO NO NO	Cable Size selected (mm2)	4	4
Distance to Invertee (m) 15 DC Cable Resistance (Ohm'mm2/m) 0.0172 Min cable size (mm²) 0.61 0.28 Cable Size selected (mm²) 0.661 0.28 Cable Size selected (mm²) 0.661 0.28 Cable Size selected (mm²) 0.69 6 6 Cable Size selected (mm²) 0.09 0.09 Cable Size selected (mm²) 0.09 0.09 Cable Size selected (mm²) 0.09 0.09 Dolado Voltage (mm²) 0.09 Dolado via	Voltage drop (%)	1.14	1.09
DC Cable Resistance (Ohm*mm2/m) 0.0172 Min cable size (mm2) 0.61 0.28 Also Size selected (mm2) 6 6 6 6 Voltage drop (%) 1.32 1.18 1.18 1.13 1.18 1.13 1.1	String Protection Needed	NO	NO
Min cable size (mm2) 0.61 0.28 Cable size selected (mm2) 6 6 6 6 Cable size selected (mm2) 0.19 0.09 Total voltage drop (S) 0.19 0.09 Total voltage drop (S) 1.12 1.18 Total voltage drop (S) 1.13 1.18 Thuses output 3.11 Thuses output 3.11 Thuse output 3.11 Thuse output 4.10 Thuse	Distance to Inverter (m)	15	
Cable Size selected (mm2) 6 6 6 Voltage drop (%) 0.19 0.09 Voltage drop (%) 1.32 1.18 DC Isolation min Current (A) 901.32 942.29 DC Isolation min Current (A) 22.75 11.38 Phases output 3 3 Max AC current (per phase; line to neutral) (A) 24.00 AC Breaker kim Current (A) 24.00 AC Breaker min Current (A) 48.00 AC Breaker Chosen (A) 32 Distance to POC (m) 10.00 Cable Impedance (Olom*mma2/m) 0.0118 Min cable size (mm2) 3.60	DC Cable Resistance (Ohm*mm2/m)	0.01	72
Voltage drop (%) 0.19 0.09 Total violtage drop (panel-inverter) (%) 1.32 1.18 0.10 1.32 1.32 1.18 0.10 1.32 942.29 0.10 Isolation min violtage [per pole rating] (V) 901.32 942.29 0.10 Isolation min Current (A) 22.75 1.138 Max AC current [per phase; line to neutral] (A) 24.00 0.4C Breaker min Current (A) 24.00 0.4C Breaker min Current (A) 48.00 0.4C Breaker Chosen (A) 32 0.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	Min cable size (mm2)	0.61	0.28
Total voltage drop (panel-inverter) (%) 1.32 1.18 DC Isolation min voltage [ser pole rating] (V) 901.32 942.29 DC Isolation min voltage [ser pole rating] (V) 901.32 942.29 DC Isolation min Current (A) 22.75 11.38 Max AC Current [per phase; line to neutral] (A) 24.00 AC Breaker min Current (A) 24.00 AC Breaker mix Current (A) 48.00 AC Breaker mox Current (A) 32 Distance to POC (m) 10.00 Cable Impedance (Olum'mm2/m) 0.018 Min cable size (mm2) 3.60	Cable Size selected (mm2)	6	6
DC Isolation min voltage [per pole rating] (V) 901.32 942.29 DC Isolation min Current (A) 22.75 11.38 Thase output 3 Max AC current [per phase; line to neutral] (A) 24.00 AC Breaker min Current (A) 24.00 AC Breaker min Current (A) 48.00 AC Breaker Chosen (A) 32 Distance to POC (m) 10.00 Cable Impedance (Olom*mrat/m) 0.0118 Min cable size (mm²) 3.60	Voltage drop (%)	0.19	0.09
DC Isolation min Current (A) 22.75 11.38 Phases output 3 3 Max A Current [Per phase; line to neutral] (A) 24.00 AC Breaker min Current (A) 24.00 AC Breaker min Current (A) 48.00 AC Breaker Chosen (A) 32 Distance to POC (m) 10.00 Cable Impedance (Ohm *mm2/m) 0.018 Min cable size (mm2) 3.60	Total voltage drop (panel-inverter) (%)	1.32	1.18
Phases output 3 Max AC current [per phase; line to neutral] (A) 24,00 AC Breaker min Current (A) 24,00 AC Breaker mix Current (A) 48,00 AC Breaker mix Current (A) 32 Distance to POC (m) 10,00 Cable Impedance (Olum*mm2/m) 0,018 Min cable size (mm2) 3,60	DC Isolation min voltage [per pole rating] (V)	901.32	942.29
Max AC current [per phase; line to neutral] (A) 24.00 AC Breaker min Current (A) 24.00 AC Breaker McCurrent (A) 48.00 AC Breaker Chosen (A) 32 Distance to POC (m) 10.00 Cable Impedance (Olum*rmm2/m) 0.018 Min cable size (mm2) 3.60	DC Isolation min Current (A)	22.75	11.38
AC Breaker min Current (A) 24.00 AC Breaker max Current (A) 48.00 AC Breaker Charge (A) 32 Distance to POC (m) 10.00 Cable Impedance (Q)(mm/mm2/m) 0.018 Min cable size (mm²) 3.60	Phases output	3	
AC Breaker max Current (A) 48.00 AC Breaker (Toosen (A) 32 Distance to POC (m) 10.00 Cable (Impedance (Oltum*mun2/m) 0.018 Min cable size (mm2) 3.60	Max AC current [per phase; line to neutral] (A)	24.00	
AC Breaker Chosen (A) 32 Distance to POC (m) 1000 Cable Impedance (Ohm*mm2/m) 0.0118 Min cable size (mm2) 3.60	AC Breaker min Current (A)		
Distance to POC (m) 10.00 Cable Impedance (Ohm*mm2/m) 0.018 Min cable size (mm2) 3.60	AC Breaker max Current (A)		
Cable Impedance (Ohm*mm2/m) 0.018 Min cable size (mm2) 3.60	AC Breaker Chosen (A)		
Min cable size (mm2) 3.60	Distance to POC (m)		
- 1	Cable Impedance (Ohm*mm2/m)		
AC Cable size (mm2) 10.00	Min cable size (mm2)		
	AC Cable size (mm2)		



NTS

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- 3. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS IN MILLIMETERS UNLESS NOTED OTHERWISE.
- 4. EXACT LOCATION OF ALL PARTS OF THE INSTALLATION TO BE DETERMINED
- 5. MCB TO MATCH MAKE, MODEL AND FAULT CURRENT OF EXISTING CIRCUIT BREAKERS.

С	ISOLATOR 2 ADDED	10.12.15		
В	ISOLATOR DETAILS UPDATED	04.12.15		
Α	PRELIMINARY DESIGN	22.07.15		
Rev	Description	Date	Checked	Authorlse
PROJECT:				





DRAWING TITLE:

86.84kWP PHOTOVOLTAIC SYSTEM SCHEMATIC

A3
4.2
710
Rev
C

LEGEND:

ROTARY SWITCH

EARTH POTENTIAL

TYPICAL SYSTEM SCHEMATIC

EARTH CONDUCTOR SYMBOL

SINGLE PHASE CIRCUIT ISOLATOR CIRCUIT BREAKER THREE PHASE CIRCUIT NEUTRAL CONDUCTOR SYMBOL

MOULDED CASE CIRCUIT BREAKER. 100A DENOTES 100AMPS RATING 200A DENOTES MINIMUM FRAME SIZE

MAINSPRO RELAY

AC SUPPLY WIRING

CONTROL WIRING



260W POLYCRYSTALLINE SOLAR MODULE



INVERTER



MAIN METER

SOLAR DB COMPONENT SCHEDULE					
PART NR.	ID	MANUFACTURER	DESCRIPTION		
1	MCB 1	GE	32A 3P MCB (INV 1 CONNECTION)		
2	MCB 2	GE	32A 3P MCB (INV 2 CONNECTION)		
3	MCB 3	GE	40A 3P MCB (INV 3 CONNECTION)		
4	MCB 4	GE	32A 3P MCB (INV 4 CONNECTION)		
5	MCB 5	GE	6A 1P MCB (CONTROL SUPPLY)		
6	MCB 6	GE	6A 1P MCB (RELAY POWER SUPPLY)		
7	MCB 7	GE	6A 3P MCB (RELAY VOLTAGE REFERENCE)		
8	MAIN SWITCH	GE	250A 3P ISOLATOR		
9	CONTACTOR 1	ELKO	63A 4P N/O CONTACTOR (INV 1 CONTROL)		
10	CONTACTOR 2	ELKO	63A 4P N/O CONTACTOR (INV 2 CONTROL)		
11	CONTACTOR 3	ELKO	63A 4P N/O CONTACTOR (INV 3 CONTROL)		
12	CONTACTOR 4	ELKO	63A 4P N/O CONTACTOR (INV 4 CONTROL)		
13	MAINSPRO	ComAP	MAINSPRO MAINS DECOUPLING RELAY		

MULTIFUNCTION RELAY TERMINAL SCHEDULE			
TERMINAL	FUNCTION	DEFAULT STATE	
RE 1	SPARE	/	
RE 2	SPARE	/	
RE 3	SPARE	/	
RE 4	RE 4 !CommTrpPer		
RE 5	!InternFail	N/O	

CABLE SCHEDULE		
INVERTER TO SOLAR DB	4C + E 10mm² Cu	
SOLAR DB TO MSB-BLG2	4C + E 70mm² Cu	
AC CONTROL CIRCUITS	1.5mm² COPPER	

O/U VOLTAGE SETTINGS

	Set Point	
Protection Setting	Value	Units
OV Pick Up	270	V
OV Timing	1.0	S
UV Pick Up	200	V
UV Timing	1.0	S

ROCOF SETTINGS

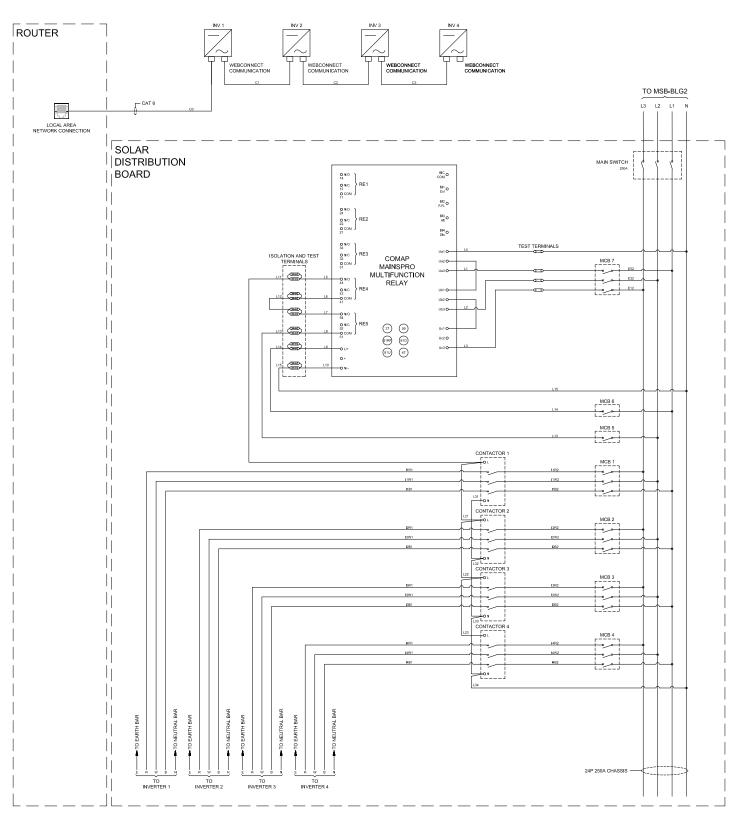
	Set Point	
Protection Setting	Value	Units
+ve ROCOF Pick Up	0.7	Hz/S
+ve ROCOF Timing	1.0	S
-ve ROCOF Pick Up	0.7	Hz/S
-ve ROCOF Timing	1.0	S

O/U FREQUENCY SETTINGS

	Set Point	
Protection Setting	Value	Units
OF Pick Up	52	Hz
OF Timing	2.0	S
UF Pick Up	48	Hz
UF Timing	2.0	S

VECTOR SHIFT SETTINGS

	Set Point	
Protection Setting	Value	Units
+ve Vector Shift Pick Up	8	Degrees
-ve Vector Shift Pick Up	8	Degrees



SOLAR DISTRIBUTION BOARD WIRING SCHEMATIC

INVERTER O/U VOLTAGE SETTINGS
INVERTER O/U FREQUENCY SETTINGS

	Set Point	
Protection Setting	Value	Units
OV Pick Up	260	V
OV Timing	1.0	S
UV Pick Up	200	٧
UV Timing	1.0	S

48 Hz

2 S

UF Pick Up

UF Timing

1. MAINSPRO DECOUPLING RELAY USES NORMALLY OPEN CONTACTS. WHEN A FAULT IS DETECTED A CIRCUIT IS BROKEN TO THE AC CONTROL CIRCUIT CAUSING IT TO TRIP THE CONTACTORS.

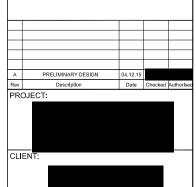
2. AUTO RECONNECT SETTING: 60 SECONDS AFTER FAULT IS CLEARED.

3.START TRIP ACTIVATED ON RELAY.



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- 2. DO NOT SCALE FROM THE DRAWINGS.
- 3. EARTH CABLE ROUTE NOT SHOWN FOR CLARITY
- 4. CABLE SIZED ACCORDINGLY FOR THE APPROPRIATE RATINGS.
- 5. SOLAR POWER SYSTEM COMPLIES WITH CLASS II INSTALLATION
- INSTALLATION TO COMPLY WITH AS4777,
 AS5033, AS3000, AS3430,
 STATE SERVICE AND INSTALLATION
 RULES AND ENERGY AUTHORITY
 NETWORK RULES
- 7. SOLAR AC SWITCHGEAR SIZED FOR MAXIMUM INVERTER AC OUTPUT.



SOLGEN ENERGY PTY LTD



DRAWING TITLE:

SOLAR DB WIRING AND PROTECTION SETTINGS

SCALE	DRAWN	CHECKED	AUTHORISED	SIZE
AS SHOWN	Date: 04.12.2015	04.12.2015	04.12.2015	А3
DRAWING No.				
D-EL-25123P6-203				