

New PV System Details	
DC Details	
PV Type	
Module Size	2382x1134x30mm
NO. Modules	230
Total kWp	142.6 KWP
Array Pitch	-
Orientation	-
AC Details	
Inverter Type	
No. Inverter	2
Total kVA	150KVA
Inverter Details	
Inverter-1 Details	
Mppt Fuse Rating	30A
No of MPPT	PV1/PV2/PV3
Input/MPPT	4/5/5
Inverter-2 Details	
Mppt Fuse Rating	30A
No of MPPT	PV1/PV2/PV3
Input/MPPT	4/5/5

DC SINGLE LINE DIAGRAM

Inv 01 (PV 1)
1 string of 16 no. of
 $V_{oc} = 822.4 V_{dc}$ (temp)
 $I_{sc} = 16.21 A/String$ (temp)
Min temp(V_{oc}) = $-0.7^{\circ}C$
0% Rear Power Gain

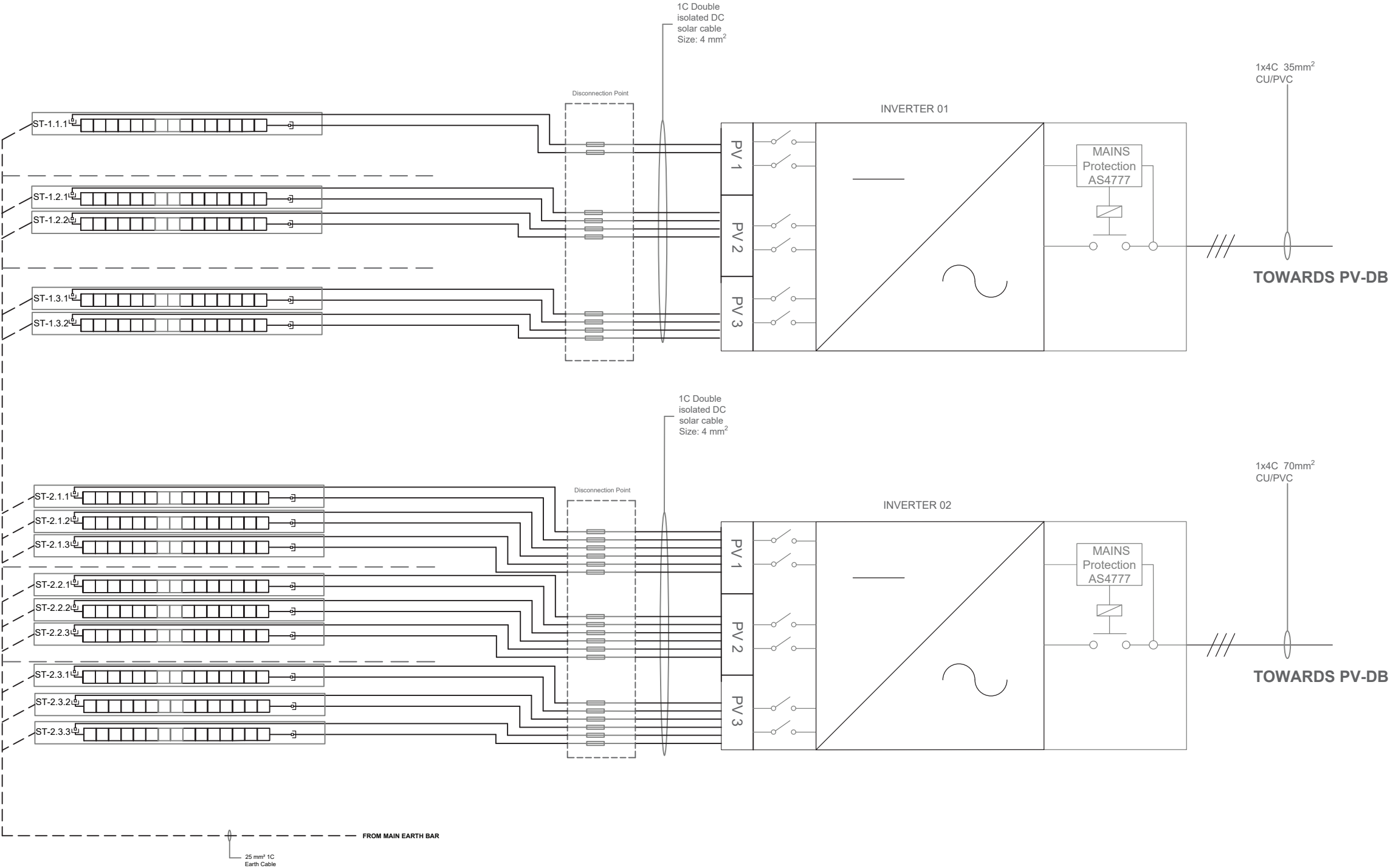
Inv 01 (PV 2)
2 string of 16 no. of
 $V_{oc} = 822.4 V_{dc}$ (temp)
 $I_{sc} = 16.21 A/String$ (temp)
Min temp(V_{oc}) = $-0.7^{\circ}C$
0% Rear Power Gain

Inv 01 (PV 3)
2 string of 16 no. of
 $V_{oc} = 822.4 V_{dc}$ (temp)
 $I_{sc} = 16.21 A/String$ (temp)
Min temp(V_{oc}) = $-0.7^{\circ}C$
0% Rear Power Gain

Inv 02 (PV 1)
3 string of 16 no. of
 $V_{oc} = 822.4 V_{dc}$ (temp)
 $I_{sc} = 16.21 A/String$ (temp)
Min temp(V_{oc}) = $-0.7^{\circ}C$
0% Rear Power Gain

Inv 02 (PV 2)
3 string of 17 no. of
 $V_{oc} = 873.8 V_{dc}$ (temp)
 $I_{sc} = 16.21 A/String$ (temp)
Min temp(V_{oc}) = $-0.7^{\circ}C$
0% Rear Power Gain

Inv 02 (PV 3)
3 string of 17 no. of
 $V_{oc} = 873.8 V_{dc}$ (temp)
 $I_{sc} = 16.21 A/String$ (temp)
Min temp(V_{oc}) = $-0.7^{\circ}C$
0% Rear Power Gain



Engineered by:

Project Name:

Drawing Name:

DC Schematics

Revision:

Notes:

All installation works shall comply with; AS3000, AS3008, AS5033, AS4777 standards.
All AC isolators (IP65) shall be load break type. Not required if Inverter is in line of sight of the PVDB.
Ensure system is labeled to AS5033, AS4777.1
For detailed AC side design use EQ-3007 - AC schematics.
Installers has to verify the cable run and type of cable on site, any change contact for cable sizing guidance.
Inverter mains and PVDB Mains are assumed to be un-enclosed touching.
All DC equipments should be installed in restricted access (HD conduits , fences and other accessories recommended).
DC disconnection points can be used insted of DC isolators, however, then earthing should comply AS/NZS 5033.2021

Client:

NMI:

Drawing No.:

Revision:



FOR APPROVAL



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