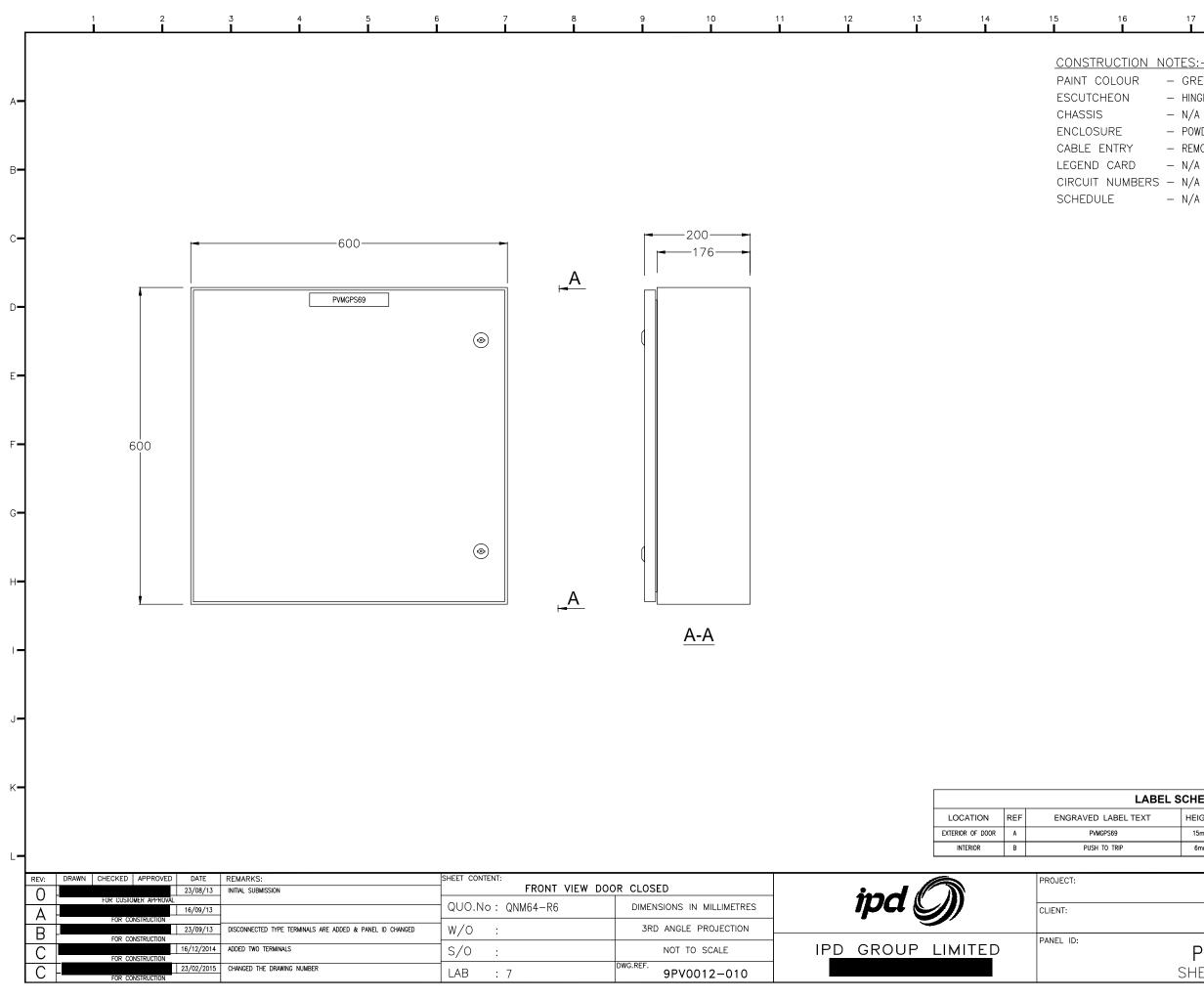
- Technology: Solar PV
 Maximum Power: 56 kW
- 3. Contribution to fault levels: N/A
- 4. Size & rating of the relevant Transformer: $N\!/\!A$
- 5. Single line diagram: refer to following page6. Protection Systems & Communication Systems: refer to following page
- 7. Voltage Control and reactive power capability: N/A8. Details specific to the location of facility: N/A



i	17	18	19	20	
				1	

ION	NOTES:-

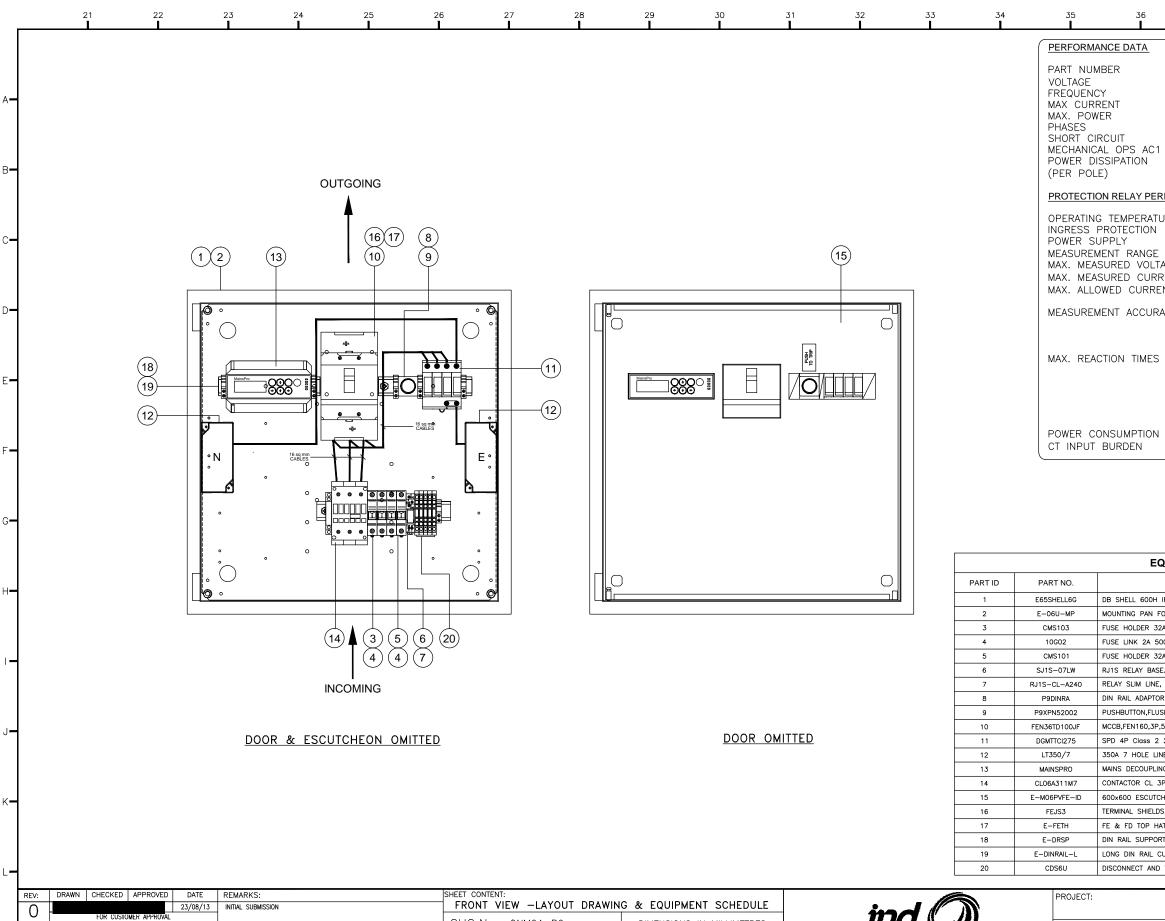
- GREY RAL7032
- HINGED ON LHS, COLOUR WHITE RAL9010
- N/A
- POWDER COATED MILD STEEL, IP65
- REMOVABLE PLATES AT TOP & BOTTOM
- - N/A

— N/A

LABEL SCHEDULE					
L TEXT	HEIGHT	COLOR	FIXING	LABEL SIZE WxH	QTY
	15mm	W/B/W	SCREW/ADHESIVE	150mm x 25mm	1
1	6mm	W/B/W	SCREW/ADHESIVE	50mm x 25mm	1

PVMGPS69 Sheet 1 of 3





	23/08/13	INITIAL SUBMISSION	FRONT VIEW -LAYOUT DRAWIN	IG & EQUIPMENT SCHEDULE	ind M	FROJECT.
	FOR CUSIOMER APPROVAL 16/09/13		QUO.No: QNM64-R6	DIMENSIONS IN MILLIMETRES		CLIENT:
B	FOR CONSTRUCTION 23/09/13	DISCONNECTED TYPE TERMINALS ARE ADDED & PANEL ID CHANGED	W/O :	3RD ANGLE PROJECTION	• •	
Ċ	FOR CONSTRUCTION 16/12/2014	ADDED TWO TERMINALS	S/0 :	NOT TO SCALE	IPD GROUP LIMITED	PANEL ID:
С	FOR CONSTRUCTION	CHANGED THE DRAWING NUMBER	LAB : 7	DWG.REF. 9PV0012-010		

56 I		37 38 39 40
TA		
AC1 N		PVMGPS69 230/400VAC 50Hz 100A 69kVA 3 50kA 1000000
	-	14.96W
PERFOR	RMAN	
RATURE ION NGE VOLTAGE CURRENT JRRENT	- - - -	, , , , , , , , , , , , , , , , , , , ,
CURACY	-	VOLTAGE: 1% OF THE NOMINAL VALUE AT 50Hz±10% AND 25°C, FREQUENCY: 0,1Hz WITHIN THE RANGE 40 TO 70Hz TIMING:±1%
MES	_	VOLTAGE FAILURES: 55ms (IF TIME DELAY SET TO 0s) FREQUENCY FAILURES: 75ms (IF TIME DELAY SET TO 0s) LOSS OF MAINS: 45ms (IF TIME DELAY SET TO 0s)
TION	_	600mA/8VDC, 90mA/85VAC

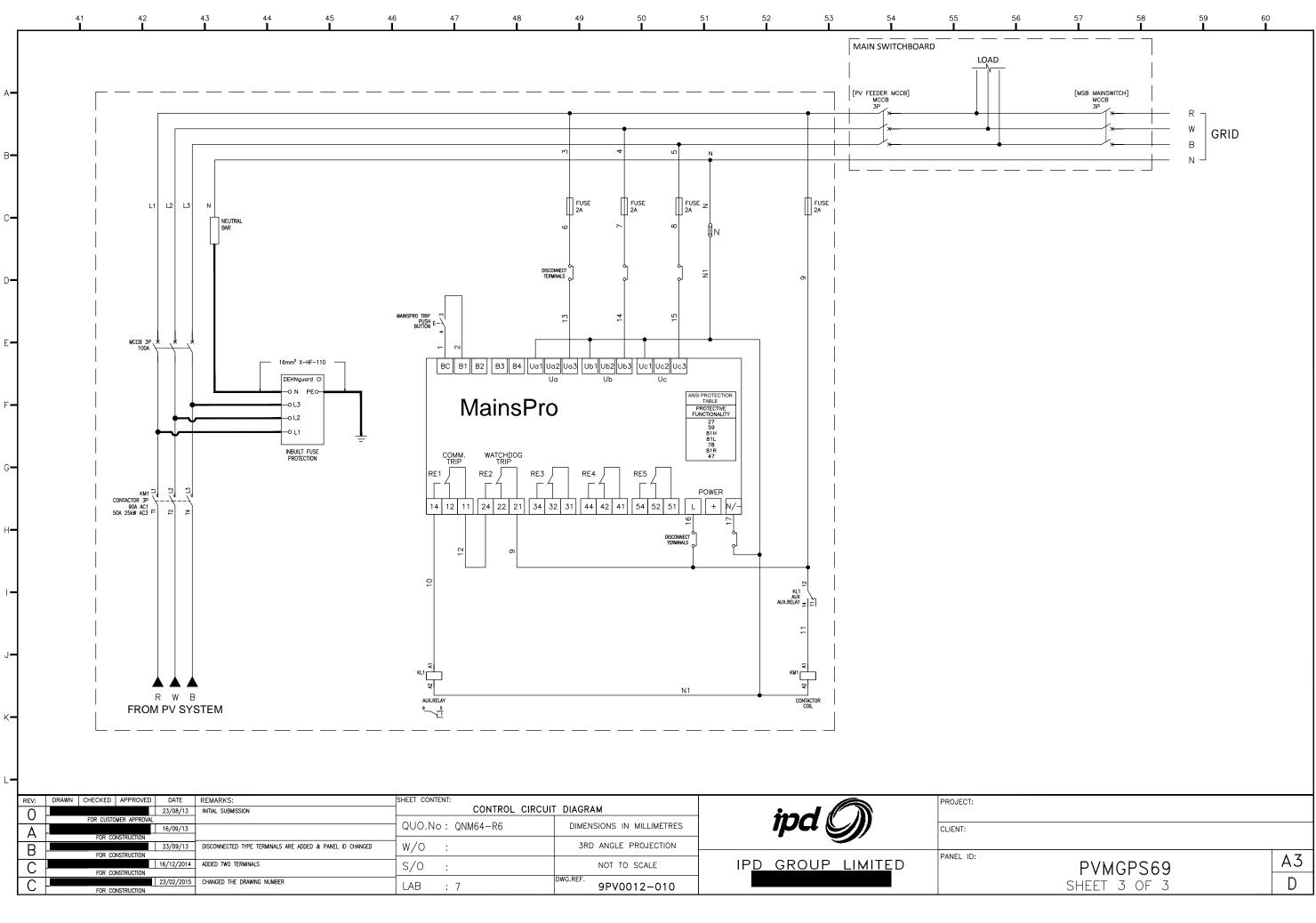
_

N/A

EQUIPMENT SCHEDULE	
EQUIPMENT DE SCRIPTION	QTY
OOH IP65 GREY EXCLUDING ESCUTCHEON	1
AN FOR 600H SHELL FOR ALL EVOLUTION BOARDS	1
R 32A 3 POLE MODULAR 690V DIN MOUNT	1
2A 500V FERRULE 10*38MM 120kA GENERAL PURPOSE	4
R 32A 1POLE MODULAR 690V DIN MOUNT FUSE = 10*38MM	1
BASE. FINGER-SAFE DIN RAIL MOUNT	1
LINE, SPDT, 240VAC 12A, WITH INDICATOR	1
APTOR FOR 22MM PILOT DEVICES, 2 MODULES WIDE	1
I,FLUSH,GREEN, C/W 1NO CONTACT BLOCK,PLASTIC	1
0,3P,50kA,100A LTMD TRIP UNIT.	1
ss 2 25kA 8/20us 5 WIRE 275VAC NON-MEN C/W FUSE	1
E LINE TAP STYLE NEUTRAL LINK, MAX 120MM CABLES	2
UPLING RELAY ANSI CODES:27,59,81H,81L,78,81R	1
CL 3P,90A AC1,50A 25kW AC3,1NO 1NC AUX,240VAC	1
CUTCHEON TO SUIT GPS ENCLOSURE	1
HELDS,FE FRAME,2PCE SET,3POLE ,SHORT.	1
P HAT MOUNTING BRACKET	1
IPPORT PILLAR 87MM X 14MM A/F M6X6MM	4
AIL CUT AND PUNCHED 428MM WITH 130 & 310MM CENTRES	1
AND TEST TERMINAL BLOCKS	5

PVMGPS69 Sheet 2 of 3





REV:	DRAWN CHECKED APPROVED DATE REMARKS:	SHEET CONTENT:			PROJECT:
0	23/08/13 INITIAL SUBMISSION	CONTROL	CIRCUIT DIAGRAM		
	FOR CUSTOMER APPROVAL	QUO.No: QNM64-R6	DIMENSIONS IN MILLIMETRES	ן זור און און און און און און און און און און	
	FOR CONSTRUCTION	Q00.N0. QNM64-R6	DIMENSIONS IN MILLIMETRES		CLIENT:
		minals are added & panel id changed W/O :	3RD ANGLE PROJECTION		
IB	FOR CONSTRUCTION	WINNES ARE ADDED & PANEL ID CINANGED			PANEL ID:
	16/12/2014 ADDED TWO TERMINALS		NOT TO SCALE	IPD GROUP LIMITED	FANLE ID.
	FOR CONSTRUCTION	5/0 .			
	23/02/2015 CHANGED THE DRAWING	NUMBER LAB : 7	DWG.REF. 9PV0012-010		
	FOR CONSTRUCTION		9FV0012-010		



Library of Setpoints

For Mainspro

Uin	230/400
System	3PH
DispT [min]	2 mins
Auto FR	Disabled
Auto FR Del [s]	0
Start Trip	Disabled Enable
Imp Len [s]	I
Bak Trp Del [s]	0
Ext	Enable
F.R	Enable
Alt	Disable
Disable	Disabled
V>	270V
V> Del	1 sec
V>>	0
V>> Del	0 sec
V<	203V
V< Del	1.5 sec
V<<	0
V<< Del	0 sec
Avg V> [V]	0
RstV>, V>> [%V>]	0
RstV<, V<< [%V<]	0
V unb, A.V unb [V]	0
V< pos, A.V < pos [V]	0
V> neg, A.V> neg [V]	0
Du del, A.dU del [s]	0

50.7 Hz		
1 sec		
49.5 Hz		
1 sec		
0		
0		
0		
0		
i 8		
1 Hz		
50		
2 sec		
2 sec		
BI1 = Ext		
BI2 = N/A		
BI3 = N/A		
BI4 = N/A		
RE1:!CommTrpPer		
RE2:!InternFail		
RE3:!BackTrpImp		
RE4:!InternFail		
RE5:TrpEndImp		

Library of Setpoints Mainspro 290514.docx

