







DISTRIBUTION DESIGN  
CATALOGUE  
Section 15

**LM – Metering**

HPC-1DC-07-0015-2014

For application to  
Horizon Power  
Electricity Distribution Networks

Document Control		
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<b>Date Created/Last Updated</b>	20 May 2020	
<b>Review Frequency **</b>	Annually	
<b>Next Review Date **</b>	20 May 2021	

\*\* Frequency period is dependent upon circumstances– maximum is 5 years from last issue, review, or revision whichever is the latest. If left blank, the default shall be 1 year unless otherwise specified.

Revision Control		
Revision	Date	Description
3	20/05/2020	New CUs added

Refer to Appendix A for Full Revision History.







<b>STAKEHOLDERS</b> The following positions shall be consulted if an update or review is required:	<b>NOTIFICATION LIST</b> The following positions shall be notified of any authorised change:
<b>Asset Managers</b>	<b>Field Practice Coordinators</b>
<b>Works Delivery Managers</b>	<b>Logistics Manager</b>
<b>Asset Service Delivery Manager</b>	

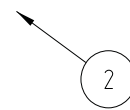
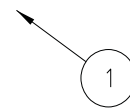
## METERING LIST

CU	CU DESCRIPTION
<a href="#">LM1_A</a>	Polyphase HV CT
<a href="#">LM1_B</a>	Polyphase HV CT PQ
<a href="#">LM2</a>	Polyphase LV CT
<a href="#">LM3_A</a>	Polyphase Direct Connect – Credit or Prepaid
<a href="#">LM3_B</a>	Polyphase Pulse Output – Credit or Prepaid
<a href="#">LM4_A</a>	Single Phase – Credit or Prepaid
<a href="#">LM4_B</a>	Single Phase – Credit – Small Form (Plugin Meter)
<a href="#">LM4_C</a>	Single Phase – Credit – Small Form (No Plugin Base)
<a href="#">LM5</a>	Antenna – Low Profiled Stud
<a href="#">LM6</a>	Micro Access Point

### Notes

- 1 Please contact Metering Department if Modem Communication Device is required.

 <p>POLYPHASE HV CT LM 1</p>	 <p>POLYPHASE LV CT LM 2</p>	 <p>POLYPHASE DIRECT CONNECT LM 3</p>						
 <p>SINGLE PHASE LM 4</p>	 <p>ANTENNA LM 5</p>	 <p>MICRO ACCESS POINT LM 6</p>						
<p><b>HORIZON</b> <b>POWER</b></p> <p>DISTRIBUTION DESIGN CATALOGUE</p> <p>OPERATIONS DIVISION</p>	<p>COMPATIBLE UNIT</p> <hr/> <p>LM COMPATIBLE UNITS</p>	<table border="1"> <tr> <td>REVISION 2</td> <td>DATE MAR 2020</td> </tr> <tr> <td colspan="2">DRAWING No.</td> </tr> <tr> <td colspan="2">LM INDEX</td> </tr> </table>	REVISION 2	DATE MAR 2020	DRAWING No.		LM INDEX	
REVISION 2	DATE MAR 2020							
DRAWING No.								
LM INDEX								



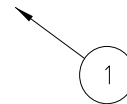
 DISTRIBUTION DESIGN CATALOGUE OPERATIONS DIVISION	COMPATIBLE UNIT	REVISION 2	DATE MARCH 20
	POLYPHASE HV CT METER	DRAWING No. LM1	

CU	CU DESCRIPTION
LM1_A	Polyphase HV CT

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	JWH1292	METER,WATTHOUR EDM I MK 10E HV 3PH CT	1	ea	Note 1

CU	CU DESCRIPTION
LM1_B	Polyphase HV CT PQ

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
2	JWH3090	METER POWER QUALITY AND REVENUE CLASS A IEC 6 1000-4-30	1	ea	Note 1

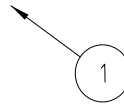


<p><b>HORIZON</b> <b>POWER</b></p> <p>DISTRIBUTION DESIGN CATALOGUE</p> <p>OPERATIONS DIVISION</p>	COMPATIBLE UNIT	REVISION 0	DATE MARCH 20
	POLYPHASE LV CT METER EXTENDED TERMINAL COVER	DRAWING No. LM2	

CU	CU DESCRIPTION
LM2	Polyphase LV CT

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	JWH1291	METER,WATTHOUR EDMI MK 10E LV 3PH CT	1	ea	Note 1





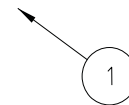
<p><b>HORIZON</b> <b>POWER</b></p> <p>DISTRIBUTION DESIGN CATALOGUE</p> <p>OPERATIONS DIVISION</p>	COMPATIBLE UNIT	REVISION 2	DATE MARCH 20
	LV METERING POLYPHASE DIRECT CONNECT METER	DRAWING No. LM3	


CU	CU DESCRIPTION
LM3_A	Polyphase Direct Connect – Credit or Prepaid

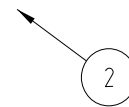
ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	JWH3081	METER,WATTHOUR LANDIS & GYR 3PH UNIVERSAL AMI METER E3 50 U3401 DIRECT CONNECTED HORIZON POWER	1	ea	Note 2  Order JWH3111 Long Cover when cables don't fit under standard cover

CU	CU DESCRIPTION
LM3_B	Polyphase –Pulse Output – Credit or Prepaid

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	JWH3082	METER,WATTHOUR LANDIS & GYR 3PH UNIVERSAL AMI METER E3 50 U3401 PULSED OUTPUT VARIANT DIRECT CONNECTED HORIZON POWER	1	ea	Note 2  Order JWH3111 Long Cover when cables don't fit under standard cover



 DISTRIBUTION DESIGN CATALOGUE OPERATIONS DIVISION	COMPATIBLE UNIT	REVISION 2	DATE MARCH 20
	LV METERING SINGLE PHASE METER	DRAWING No. LM4A&C	



<p><b>HORIZON</b> <b>POWER</b></p> <p>DISTRIBUTION DESIGN CATALOGUE</p> <p>OPERATIONS DIVISION</p>	COMPATIBLE UNIT	REVISION 0	DATE MARCH 20
	LV METERING SINGLE PHASE METER	DRAWING No. LM4B	

CU	CU DESCRIPTION
LM4_A	Single Phase – Credit or Prepaid

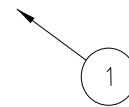
ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	JWH3071	METER,WATTHOUR LANDIS & GYR 1PH TWO ELEMENT UNIVERSAL AMI METER E350 U1325 DIRECT CONNECTED HORIZON POWER	1	ea	Note 1


CU	CU DESCRIPTION
LM4_B	Single Phase – Credit – Small Form (Plug in Meter)

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
2	JWH1271	METER,WATTHOUR EDMI MK7C PLUGIN BASE 1PH AMI METER DIRECT CONNECTED REMOTE DISCONNECT HORIZON POWER	1	ea	Note 1

CU	CU DESCRIPTION
LM4_C	Single Phase – Credit – Small Form (No Plugin Base)

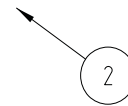
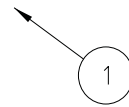
ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	No Stock Code	Please contact Metering Department if required	1	ea	Note 1




 DISTRIBUTION DESIGN CATALOGUE OPERATIONS DIVISION	COMPATIBLE UNIT	REVISION 0	DATE MARCH 20
	ANTENNA - LOW PROFILE STUD	DRAWING No. LM5	

CU	CU DESCRIPTION
LM5	Antenna – Low Profile Stud

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	JWH3108	ANTENNA CSM700 LOW PROFILE STUD RASMA 0.5M LEAD NAN DIRECT CONNECTION TO METER (AMI)	1	ea	Note: Order JWH3106 Connector if JWH3104 Old Antenna is being used



 DISTRIBUTION DESIGN CATALOGUE OPERATIONS DIVISION	COMPATIBLE UNIT	REVISION 0	DATE MARCH 20
	MICRO ACCESS POINT WITH ANTENNA	DRAWING No. LM6	



CU	CU DESCRIPTION
LM6	Micro Access Point

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	JWH3107	WATTHOUR ACCESS POINT MICRO NIC412 FIELD INTEGRATED L&G U3301 MIM TELSTRA HAN 300KBPS 1 6MB	1	ea	
2	JWH3108	ANTENNA CSM700 LOW PROFILE STUD RASMA 0.5M LEAD NAN DIRECT CONNECTION TO METER (AMI)	2	ea	

CU	CU DESCRIPTION
LM7	Modem Communication Device

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	No Stock Code	Please Contact Metering Department if required	1	ea	

## APPENDIX A – REVISION INFORMATION

(Informative) Horizon Power has endeavoured to provide standards of the highest quality and would appreciate notification if any errors are found or even queries raised.

Each Standard makes use of its own comment sheet which is maintained throughout the life of the standard, which lists all comments made by stakeholders regarding the standard.

The document **DM# 2305140** can be used to record any errors or queries found in or pertaining to this standard, which can then be addressed whenever the standard gets reviewed.

Date	Rev No.	Notes
	0	Western Power Supplied
01/07/2009	1	Original Horizon Power issue
21/01/2014	2	LM Index Drawing added LM1 to LM3 Drawing changed to LM1 LM2, LM3, LM4 & LM5 Drawings added LM2, LM3, LM4 & LM5 Lists added
20/05/2020	3	LM1 List Updated LM2 List Updated LM3 List Updated LM4 List Updated LM5, LM6 List added Notes updated and notes on Modem added File name updated from Low Voltage Metering to Metering