LV DG – IES Commissioning Form – DG ≤ 200kW

Please complete all sections of this form and attach any supporting information then send to dg@mll.co.nz

Customer and Installation Details	
Customer Name:	
ICP Number:	

Verifier Details (person commissioning the system)			
Contact Name:			
Company:			
Phone:		**Email:**	

Verification Notes			
1. The tests shall be carried out by the person who commissions the IES (Qualified persons). 2. For PV the tests should be carried out on a reasonably sunny day between 10:00am-3:00pm.			
Test Date:		**Test Time:**	
Test Equipment Make and Model:			

Pre-Commissioning Tests – IES and Load Not Connected					
3. Isolate the IES supply. 4. Isolate ALL the customers load at the Main Switchboard. 5. Complete the measurements below at the Main Switchboard on the mains cable.					
Voltage:	**R-N**	V	**Current:**	**R**	A
	W-N	V		**W**	A
	B-N	V		**B**	A
Loop Impedance:	**R-N**	Ω	**Notes:**		
	W-N	Ω			
	B-N	Ω			

MLL F37 V2
October 2023

Commissioning Tests – IES Connected and Load Not Connected

6. Liven the IES and enable the system to generate.
7. Isolate any battery systems if applicable.
8. Check Isolated ALL household appliances, power outlets, load at the Main Switchboard.
9. Complete the measurements below at the Main Switchboard on the mains cable.

Voltage:	**R-N**	V	**Current:**	**R**	A
	W-N	V		**W**	A
	B-N	V		**B**	A

Isolate the main switch (mains supply) and verify the IES disconnects within 2 s:	☐ Yes
Operate the main switch and verify the IES connection time is greater than 60 s:	☐ Yes

System Details and Protection and Control Settings

Inverter Make:		**Inverter Model:**	
IES Connected to Phase(s):	☐ R ☐ W ☐ B ☐ Unknown	**Battery System Capacity:** (N/A if not Installed)	kWh
Total Output Rating of the Inverter(s):	kVA	**Site's Approved Maximum Export Power:**	kW

If the site has an export limit applied has this been configured? Please attach a screenshot or photo as evidence of this.	☐ Yes
Passive anti-islanding settings are as per MLL standards (Table 3)? Please attach a screenshot or photo as evidence of this.	☐ Yes
Volt-Var and Volt-Watt enabled and "New Zealand" region settings selected (Table 4 & 5)? Please attach a screenshot or photo as evidence of this.	☐ Yes
Does the IES comply with MLL's LV DG Connection and Operating Standards? Available on our website. Linked here.	☐ Yes
Site Single Line Diagram (SLD), CoC and ROI are attached:	☐ Yes

Declaration and Acceptance			
I hereby confirm that the above and attached information is correct and that the IES is safe to connect to the MLL network. The equipment, connection arrangement and settings all match the approved application.			
Name:		**Registration #:**	
Signature:		**Date:**	/ /