

To: Jersey Electricity  
 The Powerhouse  
 Planning Department  
 PO Box 45, Queens Road  
 St. Helier, Jersey, JE4 8NY



The Powerhouse, PO Box 45, Queens Road, St. Helier, Jersey, JE4 8NY

or to email: ese@jec.co.uk

## G59-3 PARALLEL GENERATOR FULL COMMISSIONING CONFIRMATION

Installer or Generator Details	
Type of Parallel Generator eg Wind, Solar PV, Hydro, Gas CHP.	Address          Post code
Installer	
Accreditation/Qualification	
Contact person	
Tel No.	
Email address	

Installation Details	
Site Contact Details	Address          Post code
Site Tel No.	
Premise No.	
Meter No.	
Location within customer's installation	
Location of lockable isolation switch	

Details of Generating Unit(s) - where applicable								
Manufacturer / Reference	Date of Installation	Technology Type	Model of G59 Type Tested Protection relay(s)	Generating Unit installed capacity in kW				
				3-Phase Units	Single Phase Units			Power Factor
				PH1	PH2	PH3		

Description	Confirmation
<b>Information to be enclosed</b>	
Final copy of circuit diagram	Yes / No*
<b>Generating Unit</b> Type Test Reference Number, or for <b>Generating Units</b> not yet listed on the ENA web site a completed <b>Generating Unit</b> Type Test Sheet	Yes / No*
Schedule of protection settings (may be included in circuit diagram)	Yes / No*
<b>Commissioning Checks</b>	
Installation satisfies the requirements of BS7671 (IET Wiring Regulations)	Yes / No*
Suitable lockable points of isolation have been provided between the <b>Generating Units</b> and the rest of the installation	Yes / No*
Labels have been installed at all points of isolation in accordance with EREC G59	Yes / No*
Interlocking that prevents <b>Generating Units</b> being connected in parallel with the JE system (without synchronising) is in place and operates correctly	Yes / No*
The <b>Interface Protection</b> settings have been checked and comply with EREC G59	Yes / No*
<b>Generating Units</b> successfully synchronise with the <b>JE</b> system without causing significant voltage disturbance	Yes / No*
<b>Generating Units</b> successfully run in parallel with the <b>JE</b> system without tripping and without causing significant voltage disturbances	Yes / No*
<b>Generating Units</b> successfully disconnect without causing a significant voltage disturbance, when they are shut down	Yes / No*
<b>Interface Protection</b> operates and disconnects the <b>Generating Units</b> quickly (within 1 second) when a suitably rated switch, located between the <b>Generating Units</b> and the <b>JE</b> s incoming connection, is opened	Yes / No*
<b>Generating Unit(s)</b> remain disconnected for at least 20 seconds after switch is reclosed	Yes / No*

\* Circle as appropriate. If 'No' is selected the Power Station is deemed to have failed the commissioning tests and the Generating Units shall not be put in service.

Description	Confirmation
<b>Commissioning Checks</b>	
<b>Loss of tripping and auxiliary supplies</b> Where applicable, loss of supplies to tripping and protection relays results in either <b>Generating Unit</b> lockout or an alarm to a 24hr manned control centre	Yes / No*
<b>Balance of Multiple Single Phase Generating Units</b> Confirm that design of the complete installation has been carried out to limit output power imbalance to below 16A/phase, as required by section 7.5 of EREC G59	Yes / No*
Additional Comments / Observations:	

\* Circle as appropriate. If 'No' is selected the Power Station is deemed to have failed the commissioning tests and the Generating Units shall not be put in service.

<b>Declaration – to be completed by Installer for Power Stations under 50kW or by the Generator for Power Stations above 50kW</b>
I declare that the Generating Units and the installation which together form a <b>Power Station</b> at the above address, comply with the requirements of EREC G59/3 and the commissioning checks have been successfully completed. *The <b>Power Station</b> comprises only <b>Generating Units Type Tested</b> to EREC G59 or EREC G83/2 or later, or *part or all of this <b>Power Station</b> contains <b>Generating Units</b> not <b>Type Tested</b> to EREC G59 or EREC G83 and the <b>Generating Plant</b> Installation and Commissioning tests form (Appendix 13.3) has been completed in addition to this form.

\* Delete the part which does not apply.

Signature	Date
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