

SMALL-SCALE DISTRIBUTED GENERATION (PHOTOVOLTAIC) APPLICATION FORM

Serial No.	
(For PUC use only)	

Applicant Information		For PUC use only
Name		
N.I.N.		
Postal Address		
Contact Telephone Number		
Fax Number		
Email Address		
Current PUC Account No		

Installer Details		For PUC use only
Installer		
Accreditation / Qualification		
Postal Address		
Electrical Contractor's Name		
Telephone Number		
Fax Number		
Email Address		

Project Details		For PUC use only
Site / Project Address		
Site Telephone Number		
Installation Commencement Date		
Expected Commissioning Date		

SSDG (PV) Details						For PUC use only
SSDG Location within the Installation						
Total Number of SSDG units to be installed under this project	Type ¹	No. of Units	kW per Unit	Total kW ²	Total kVA ³	
	A					
	B					
	C					
Any other known SSDG on installation site?						
Expected Annual Generation (kWh)						

Additional Information to be enclosed		Please Tick Correct Box		For PUC use only
		Submitted	Not Submitted	
SSDG Verification Test Certificate, including the following information:				
1	<i>Manufacturer and Model Type</i>			
2	<i>Country of Origin</i>			
3	<i>SSDG Rating (A), power factor and frequency</i>			
4	<i>Single- or Multi-phase</i>			
5	<i>Maximum Peak Short Circuit Current (A)</i>			
6	<i>Standard of Compliance</i>			
7	<i>Contact Details (Email address, Telephone, etc.)</i>			
Copy of system circuit diagram (single-line diagram) within the installation including the proposed grid connection and the associated metering / supply points				
Earthing Arrangements				
Site layout plan showing location of SSDGs and other major electrical equipment installed (if applicable)				

¹ If several different units are being used on same site, please provide details for each type of unit; if only one type of unit is to be used, simply complete row A only

² Total kW for all units being used on the project

³ Total kVA for all units being used on the project

SSDG Particulars

All information given hereunder should be substantiated by documents from the manufacturer

No.	Parameters	PUC Requirements		Proposed		
1	Inverter Type	Central Inverter OR Micro Inverter				
2	Capacity of Inverter	To be specified by Applicant				
3	Protection Parameters Settings	Trip Setting	Clearance Time	Trip Setting	Clearance Time	Trip Indication Provided
3a	Over Voltage ⁴ (230 V + 10%)	253 V	0.2 s			
3b	Over Voltage (230 V + 6%)	243.8 V	1.5 s			
3c	Under Voltage (230 V - 6%)	216.2 V	1.5 s			
3d	Over Frequency ⁵ (50 Hz +1%)	51 Hz	0.5 s			
3e	Under Frequency (50Hz - 1.5%)	49.25 Hz	0.5 s			
3f	Loss of Mains (df/dt – Vector Shift)	2.5 Hz/s 10 degrees	0.5 s			
4	Islanding Detection	Yes				
5	Isolated Generation possible	Optional				
6	Reconnection Time	3 minutes				
7	Max. DC Current injection to grid	To be specified by Applicant				
8	Rated AC output current per phase	To be specified by Applicant				
9	Total Harmonics Distortion (Voltage)	To be specified by Applicant				
10	Total Harmonics Distortion (Current)	To be specified by Applicant				
11	Surge Withstand Capability	To be specified by Applicant				
12	Power Factor (Leading and Lagging)	0.95				
13	Will 1 st Switch after meter have visible contacts?	Yes				
14	Will 1 st Switch after meter have lock facilities in OPEN Position?	Yes				
15	Will Production Meter be installed?	Yes				
16	Will Earthing System be TNCS?	Yes				
17	Will Batteries be installed?	Optional				

⁴ If the SSDG can generate higher voltage than the trip setting, this (step 2 over voltage) is required

⁵ The trip setting for over frequency is set lower than the maximum operating frequency of 50 Hz + 1.5% in order to avoid contribution of the SSDG to rising frequency

**I hereby declare that all information provided in this form is correct to the best of my knowledge,
and I agree to all of the electricity regulations (and related terms and conditions)
as specified in the attached list.**

Applicant's Signature		For PUC use only
Name		
Signature		
Date		

PUC Comments <small>(For PUC use only)</small>			
Name of Employee			
Post Title			
SSDC Connection Approved?	Yes		No
Comments ⁶			
Signature			
Date			

⁶ Comments required if approval to connect SSDG is not given