

Standards Alert

Subject: 11kV 1500kVA Padmount Substation (2461473)	Control Ref No: StdsA493b
	Date Issued: 14/07/2020
	Supersedes: StdsA493a
For Policy/Procedure/Manual: Ergon UG Construction Manual Issue 14	Expiry Date: 31/12/2020
Originating Dept: Asset Standards – Line Standards	
Target Audience: Northern & Southern	

1. Amendment Record

Version	Date	Author	Amendments
Initial	12/07/2019	A. Bletchly	Initial Issue
Version A	06/05/2020	A. Bletchly	Extend the quarantine to address the issues identified during recent testings
Version B	06/07/2020	A. Bletchly	Lift the Quarantine and introduce controls on the use of the padmount substation.

2. Objective

This Standards Alert is to advise that the quarantine on the following padmount substation has been lifted and introduce additional requirements before use.

- 11kV 1500kVA Padmount Substation.

3. Introduction

The 11kV 1500kVA Padmount Substation S/C 2461473 (PM11/1500/8DJH2S1CB, Assembly 614-7) can now be used however the following controls are imposed:

1. The 1500kVA padmount substations are intended for connection of single large customers loads (i.e. loads exceeding 1333A/phase)
2. Other options for supplying the load should be explored first (e.g. 2 x 750 kVA padmount substations)
3. Protection review shall be conducted to ensure the upstream protection is able to provide backup protection
4. Shall not be installed on Radial Feeders (Underground) without allowance for establishing a ring feed in the future
5. Only to be used on commercial and industrial loads and shall not be considered for residential application including Hotels or High-Rise Residential applications
6. Shall not be used for embedded generator connection (LV fault levels will exceed equipment rating)

4. Further Information

For further information, please contact

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Page 1 of 1	<i>This Standards Alert will remain in force until either the expiry date is exceeded, or update of the relevant sections of the specified manuals has occurred.</i> stdsa493b - quarantine of 11kv 1500kva padmount substation (2461473)	Adam Bletchly
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