

<b>General Inspection plan</b>  Title <b>Power Electronics [Inverters]</b>	Document KBE IP – 120.3
	Issue 2
	Date 2020-04-20
	Supersedes Issue 1

**Inspection according to codes below**

<u>Inspection Specification</u> (1st letter) A: Routine 100% Insp. S: Sample Inspection T: Type Inspection	<u>Inspection performed and documented by</u> (2nd letter) E: Manufacturer D: Supplier B: Purchaser	<u>Inspection supervised by</u> (3rd letter) B: Purchaser C: Inspector engaged by purchaser D: Supplier	<u>Documentation</u> (4th letter) R: Technical Report P: Inspection Record I: Certificate
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Examination Procedures	Codes	Inspection Procedure	Inspection Record	Deviation Report/Remark
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Type Inspection				
T1	Power efficiency Note 1	TE-R		
T2	Temperature rise test Note 1	TE-R		
T3	Unbalance load test Note 1	TE-R		
T4	Output voltage unbalance Note 1	TE-R		
T5	Overload capability test Note 1	TE-R		
T6	Short-Circuit current capability Note 1	TE-R		
T7	Short-Circuit test Note 1	TE-R		
T8	Output overvoltage Note 1	TE-R		
T9				
T10				
T11				
T12				
T13				
T14				

**Notes**

1. Test according to applicable SS-EN standard.

Examination Procedures	Codes	Inspection Procedure	Inspection Record	Deviation Report/Remark
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<b>Type Inspection</b>					
T16	Periodic output voltage modulation Note 1	TE-R			
T17	Frequency modulation Note 1	TE-R			
T18	Harmonic components Note 1	TE-R			
T19	Audible noise Note 1	TE-R			
T20	Vibration and shock test Note 1	TE-R			
T21	Seismic qualification KBE EP-147	TE-R			
T22	EMC verification KBE EP-153	TE-R			
T23	Type Inspection certification KBE EP-180	TE-I			
T24	Protective earth continuity KBE EP-150	TE-R			
T25					
T26					
T27					
T28					
T29					
T30					
T31					
T32					
T33					
T34					
T35					
<b>Notes</b>					
1. Test according to applicable SS-EN standard.					

Examination Procedures		Codes	Inspection Procedure	Inspection Record	Deviation Report/Remark
<b>Routine Inspection</b>					
R1	Visual Inspection KBE EP-101	AEBP			
R2	Visual inspection KBE EP-190	AE-P			
R3	Protective earth continuity KBE EP-150	AEBP			
R4	Interconnection cable check Note 1	AE-P			
R5	Voltage test KBE EP-102	AE-P			
R6	Insulation test KBE EP-114	AE-P			
R7	Light load test Note 1	AE-P			
R8	Checking of auxiliary devices Note 1	AE-P			
R9	AC input failure test Note 1	AE-P			
R10	AC input return test Note 1	AE-P			
R11	Full load test Note 1	AE-P			
R12	Restart Note 1	AE-P			
R13	Earth fault test Note 1	AE-P			
R14	Quality and Identity certification KBE EP-180	AE-I			
R15	Delivery Release Inspection / FAT Note 2, 3	AEBR			
R16	Site Acceptance Test (SAT) Note 3	AEBR			
R17					
<b>Notes</b>					
<ol style="list-style-type: none"> <li>1. Test according to applicable SS-EN standard.</li> <li>2. Inspection witnessed by Purchaser before Delivery (Shipping) Release in accordance with KBE 100.</li> <li>3. FAT and SAT performed according to procedures subject to prior review and approval by the Purchaser.</li> </ol>					