

Regarding Power Systems Division Compliance with the EU RoHS 2 Directive

July 16, 2019
SANYO DENKI CO., LTD.
Power Systems Division

Thank you very much for your continuing support, and we hope for prosperous days ahead for all of you.

Please see below for information on applicable products and schedules for Power Systems Division compliance with the EU RoHS 2 directive.

Details

1 EU RoHS 2 Directive Outline

1.1 Controlled substances

In accordance with EU RoHS Directive 2011/65/EU (Revised Directive 2015/863), the hazardous substances controlled by RoHS Directive (2011/65/EU: ANNEX II) indicated in Table-1 are the current six substances, and an additional four phthalic ester substances (ten substances in total).

Table-1 EU RoHS Directive Controlled Substances

	Controlled substances
Current six substances	Lead (Pb), cadmium (Cd), mercury (Hg), hexavalent chromium (Cr6+), polybrominated biphenyl (PBB), polybrominated diphenyl ether (PBDE)
Additional four substances	Bis(2-Ethylhexyl) phthalate (DEHP), benzyl butyl phthalate (BBP), dibutyl phthalate (DBP), diisobutyl phthalate (DIBP)

1.2 Product category and application start date

The start dates of the RoHS 2 directive for applicable product categories are shown in Table-2.

Table-2 Product Category and Compliance Date

Category (Applicable products classification)		Compliance date
1	Large household appliances	Monday, July 22, 2019
2	Small household appliances	
3	Computing & communications equipment	
4	Consumer electronics	
5	Lighting	
6	Power tools	
7	Toys, leisure, and sports equipment	
8	Medical devices and equipment	Thursday, July 22, 2021
	Exempt medical devices and equipment	
9	Monitoring and control equipment	July 22, 2021
	Industrial monitoring and control instruments	
10	Automatic dispensers	Monday, July 22, 2019
11	Other electrical and electronic equipment not covered under the other categories	

2 Planned compliance schedules and applicable products

Power Systems Division products (excluding some optional items) are applicable to "Category 11: Other electrical and electronic equipment not covered under the other categories," and will comply from July 22, 2019.

The Power Systems Division is currently working towards compliance with the RoHS 2 directive for the products listed in Table-3. However, we have not yet replaced some raw materials to comply with the RoHS 2 directive. Our scheduled goals for compliance are shown in Table-3.

Table-3 Compliance Schedule by Product

Applicable product	Expected compliance date
Series name, etc.	
E11A series (with CE models)	Shipped from Jan. 2020
E11B series (Lineup of CE models planned)	
A11J series (with CE models)	
A11K series	
A11K-Li series	
A11M series	
A22A series (Lineup of CE models planned)	
N11B-Li series (Lineup of CE models planned)	
N11C-Li series	
Power Management Products	
D11A series	
S11A series	
Other related optional items	
C23A series (Lineup of CE models planned)	

- The ASE-H series (100 V, 200 V) does not comply with the additional 4 substances.
- For CE models, products shipped after July 22, 2019 will be shipped with no CE label attached to the product. They will be identified by a blue label on the packaging near the model number.

END