

DECLARATION OF CONFORMITY

Council Directive(s) to which conformity is declared:

CD 73/23/EEC and CD 89/336/EEC

Units are certified for compliance with:

**EN 50178:1998
EN 50081-2:1993
EN 55011:1998+A1:1999
EN 50082-2:1995
EN 61000-4-2:1995+A1:1998
EVD 50140:1993(EN 61000-4-3:1995)
EVD 50204:1995
EN 61000-4-4:1995
EN 61000-4-5:1995
ENV 50141:1993(EN 61000-4-6:1996)
EN 61000-4-8:1993
EN 61000-4-11:1994**

Type of Equipment: **Inverter (Power Conversion Equipment)**

Model Name: **SV - iC5 Series**

Trade Mark: **LG Industrial Systems Co., Ltd.**


Representative:
Address: **LG International (Deutschland) GmbH
Lyoner Strasse 15,
60528, Frankfurt am Main,
Germany**

Manufacturer:
Address: **LG Industrial Systems Co., Ltd.
181, Samsung-Ri, Mokchon-Eup,
Chonan, Chungnam, 330-845,
Korea**

We, the undersigned, hereby declare that equipment specified above conforms to the Directives and Standards mentioned.

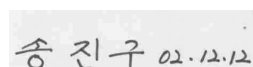
Place : Frankfurt am Main
Germany

Chonan, Chungnam,
Korea



(signature/date)

Mr. Ik-Seong Yang / Dept. Manager
(Full name / Position)



(signature/date)

Mr. Jin-Gu Song / General Manager
(Full name / Position)

TECHNICAL STANDARDS APPLIED

The standards applied in order to comply with the essential requirements of the Directives 73/23/EEC "Electrical material intended to be used with certain limits of voltage" and 89/336/EEC "Electromagnetic Compatibility" are the following ones:

• EN 50178:1998	"Electronic equipment for use in power installations".
• EN 50081-2:1993	"Electromagnetic compatibility-Generic emission standard. Part 2 : Industrial environment."
• EN 55011:1998+A1:1999	"Industrial, scientific and medical(ISM) radio-frequency equipment Radio disturbance characteristics-Limits and methods of measurement."
• EN 50082-2:1995	"Electromagnetic compatibility-Generic immunity standard. Part 2: Industrial environment."
• EN 61000-4-2:1995+A1:1998	"Electromagnetic compatibility (EMC). Part 4-2: Testing and measurement techniques. Electrostatic discharge immunity test."
• EN 61000-4-3:1995	"Electromagnetic compatibility (EMC). Part 4-3: Testing and measurement techniques. Radiated, radio-frequency,electromagnetic field immunity test."
• EN 61000-4-4:1995	"Electromagnetic compatibility (EMC). Part 4-4: Testing and measurement techniques. Electrical fast transients / burst immunity test."
• EN 61000-4-5:1995	"Electromagnetic compatibility (EMC). Part 4-5: Testing and measurement techniques. Surge immunity test."
• EN 61000-4-6:1996	"Electromagnetic compatibility (EMC). Part 4-6: Testing and measurement techniques. Immunity to conducted disturbances, induced by radio-frequency fields."
• EN 61000-4-8:1993	"Electromagnetic compatibility (EMC). Part 4-8: Testing and measurement techniques. Power frequency magnetic field immunity test."
• EN 61000-4-11:1994	"Electromagnetic compatibility (EMC). Part 4-11: Testing and measurement techniques. Voltage dips, short interruptions and voltage variations immunity test."
• ENV 50140:1993	"Electromagnetic compatibility - Basic immunity standard - Radiated radio-frequency electro magnetic field - Immunity test."
• ENV 50141:1993	"Electromagnetic compatibility. Basic immunity standard. Conducted disturbances induced by radio-frequency fields."
• ENV 50204:1995	"Radio electromagnetic field from digital radio telephones."

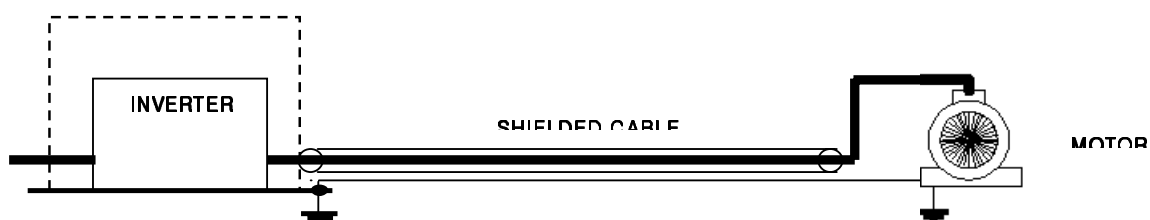
EMC INSTALLATION GUIDE

LG inverters are tested to meet Electromagnetic Compatibility (EMC) Directive 89/336/EEC and Low Voltage (LV) Directive 73/23/EEC using a technical construction file. However, Conformity of the inverter with CE EMC requirements does not guarantee an entire machine installation complies with CE EMC requirements. Many factors can influence total machine installation compliance.

Essential Requirements for CE Compliance

Following conditions must be satisfied for LG inverters to meet the CE EMC requirements.

1. CE compatible LG inverter
2. Installing inverter in an EMC enclosure
3. Grounding enclosure and shielded parts of wire
4. Using shielded cable
5. Use it under industrial environment.
6. It is important that all lead lengths are kept as short as possible and that incoming mains and outgoing motor cables are kept well separated.



Models	Description	Interface Module1*	Interface Module2**	CE Mark	
				EMC	LVD
(1) SV004iC5-1F	AC Drive, 0.5HP, 220V, 1 phase	-	-	Yes	Yes
(2) SV008iC5-1F	AC Drive, 1HP, 220V, 1 phase	-	-	Yes	Yes
(3) SV015iC5-1F	AC Drive, 2HP, 220V, 1 phase	-	-	Yes	Yes
(4) SV022iC5-1F	AC Drive, 3HP, 220V, 1 phase	-	-	Yes	Yes
(5) SV004iC5-1	AC Drive, 0.5HP, 220V, 1 phase	10120001681	10120001677	Yes	Yes
(6) SV008iC5-1	AC Drive, 1HP, 220V, 1 phase	10120001682	10120001678	Yes	Yes
(7) SV015iC5-1	AC Drive, 2HP, 220V, 1 phase	10110001458	09710000110	Yes	Yes
(8) SV022iC5-1	AC Drive, 3HP, 220V, 1 phase	10110001458	09710000110	Yes	Yes

- Models (1), (2), (3) and (4) are EMC Filters integrated and compliant with CE.
- EMC Filters are not provided for models (5), (6), (7) and (8). They should be provided with Interface Module 2 for CE compliance.

* Module 1: Non-Filter Type PCB Assembly

** Module 2: Filter Type PCB Assembly