

EBK6-PV_EBK6-HPV Series

Power-Line Filters For Photovoltaic

(150-1600A)

Typical application

- Inverters
- · High-power motor driven frequency inverters
- Mining equipment



Features and benefits

- · HPV versions designed for 690VAC IT power networks
- Protective plastic covers for high safety
- · With advanced two-stage LCR filter circuit
- · High attenuation for both common and differential mode

Conformity

EN 60939

- Ð CSA C22,2 | available on request for most types
- **71** UL 1283 | available on request for most types Climatic category | 40/085/21 (IEC 60068-1)

Technical specifications

	Symbol	Value	Unit	Remarks
Rated voltage	V _R	520/300 690/400	VAC VAC	PV Series HPV Series
Rated current	I _R	150 1600	А	
Ground capacitance			nF	
Operating frequency	f_{op}	50/60	Hz	
Insertion loss		up to 100/100	dB	common/dfferential mode
Leakage current	I _I	< 6	mA	
Operating temperature	T_{amb}	-40 +85	°C	
Storage temperature	Τ _s	-40 +85	°C	
Test voltage - line to line	V_{test}	2700 / 2150	VDC	PV Series / HPV Series
Test voltage - line to ground	V_{test}	3100 / 3000	VDC	PV Series / HPV Series

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Electrical properties

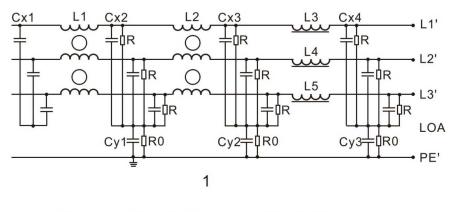
Model	Connection		Rated Current	Leakage Current	Circuit Diagram	Package Type
	Line	Load	[A]	[mA]		
DL-150EBK6-PV	В	В	150	<6mA	1	1
DL-150EBK6-HPV	в	в	150	Soma	4	(L)
DL-180EBK6-PV	В	В	180	<6mA	1	1
DL-180EBK6-HPV	В	В	160	COILIA	1	T
DL-250EBK6-PV	В	В	250	<6mA	1	2
DL-250EBK6-HPV	В	В	250	<0mA	1	Z
DL-320EBK6-PV	В	В	320	<6mA	1	3
DL-320EBK6-HPV	В	В	520	COMA	T	2
DL-400EBK6-PV	В	В	400	<6mA	1	3
DL-400EBK6-HPV	В	В	400	COMA	. .	3
DL-600EBK6-PV	В	В	600	<6mA	1	4
DL-600EBK6-HPV	В	В	000	COILIA	1	4
DL-800EBK6-PV	В	В	800	<6mA	1	5
DL-800EBK6-HPV	В	В	800	Soma	1	5
DL-1000EBK6-PV	В	В	1000	<6mA	1	6
DL-1000EBK6-HPV	В	В	1000	COMA	Т	U
DL-1600EBK6-PV	В	В	1600	(Em A	2	7
DL-1600EBK6-HPV	в	В	1000	<6mA	Z	7

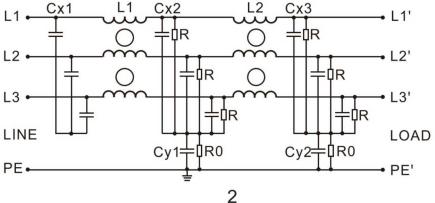
Legend:

B = bus bar

Note: HPV versions without R0

Circuit schematic



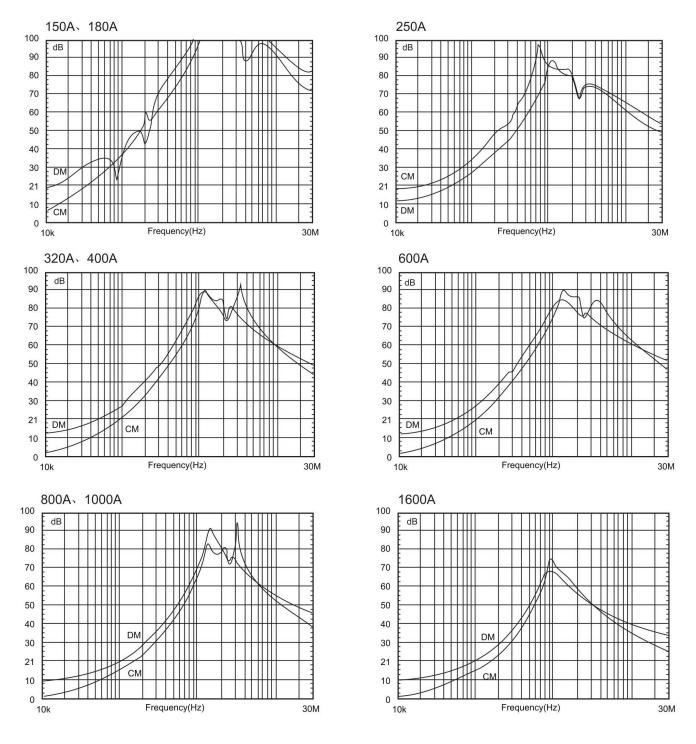


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Insertion loss characteristics

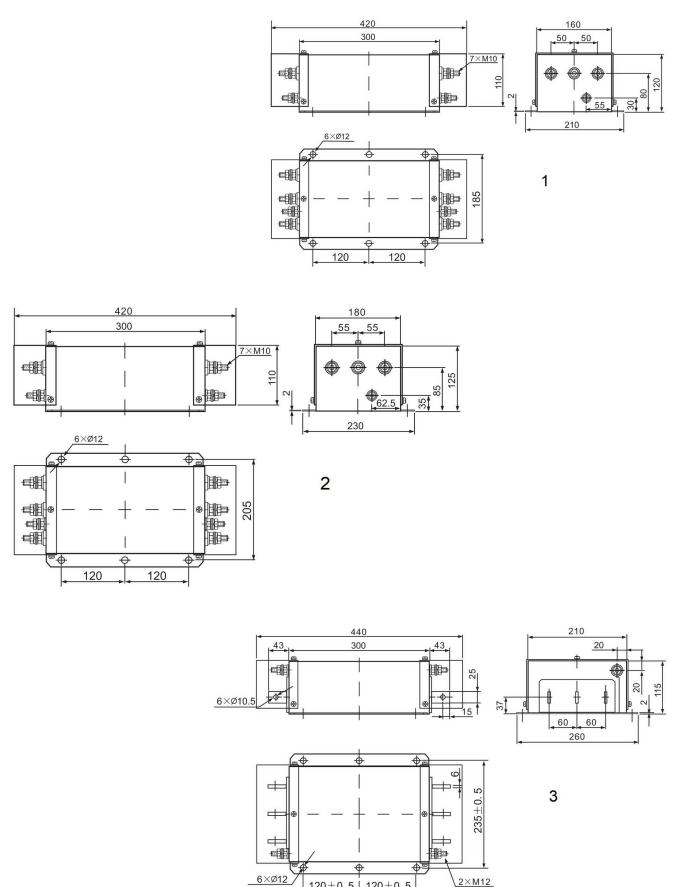


____ Common Mode _ _ _ _ _ Differential Mode

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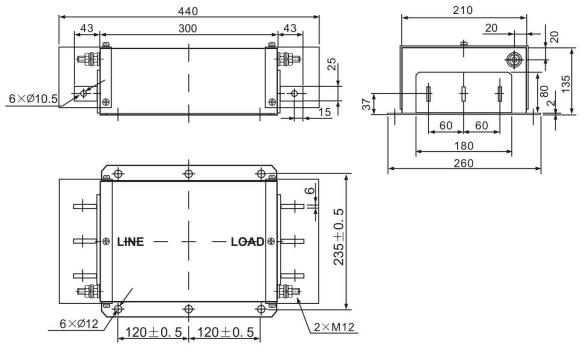
Mechanical packaging



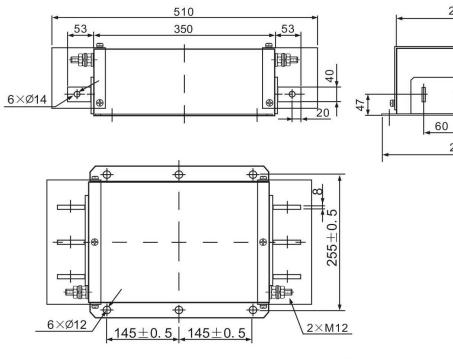
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120±0.5 120±0.5





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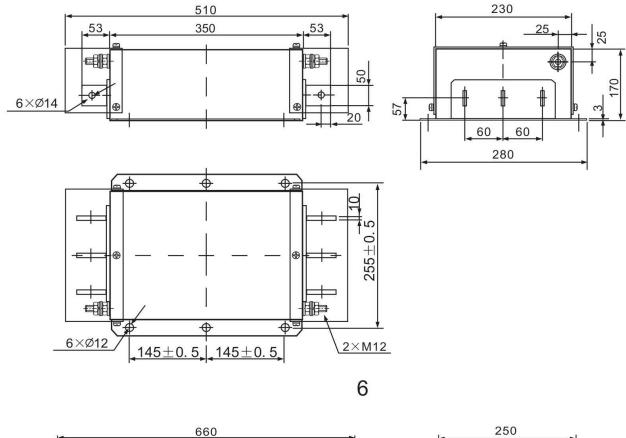


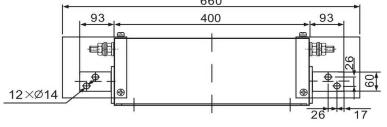
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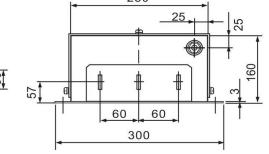
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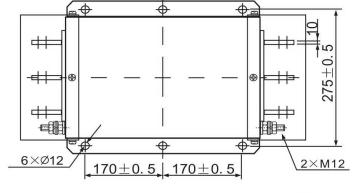
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