



TEST REPORT IEC/EN 62109-1 Safety of Power Converter for use in Photovoltaic Power Systems Part 1: General requirements

Report						
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Applicant's name	ALTENERGY POWER SYSTEM INC.					
Address	No.1 Yatai Road, Jiaxing 314050 Zhejiang Province, P.R. China					
Test specification:						
Standard	IEC 62109-1:2010					
	EN 62109-1:2010					
Test procedure	CE-LVD					
Non-standard test method	N/A					
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Test item description	Grid-tied Microinverter					
Trade Mark	APsystems					
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Model/Type reference...... DS3, DS3-H, DS3-L, DS3-L-SPE, DS3-S

See next page

Ratings.....

7.3.7	TABLE: clearance and creepage distance measurements							
clearnace cl and creepage distance dcr at / of:		Up (V)	U r.m.s. (V)	required cl (mm)	cl (mm)	required dcr (mm)	dcr (mm)	
Model: DS3-H								
L line to PE(BI)			230	3,0	5,5	3,0	5,5	
PV to PE(BI)		60		1,5	6,5	1,5	6,5	
Main circuit to SELV circuit(FI)			230	3,0	5,5	3,0	5,5	
SPS transformer T5 Primary to Secondly(RI)			230	5,5	5,6	5,5	5,6	
X capacitor to earth(PE) under PCB(BI)			230	3,0	5,5	3,0	5,5	
Notes:								
BI: Basic in	sulation;							
RI: Reinford	ced insulation							
DI: Double i	insulation							