4.8	EMC and power quality Switching operation (Refer IEC 61400-21)				P
Test result: SUN2000-105KTL-H1					
Max. number of switching operations, N_{10}	10				
Max. number of switching operations, N_{120}	120				
Case of switching operation	Cut-in at <10%P_{Emax}				
Grid impedance angle, ψ_k	30°	50°	70°	85°	
Flicker step factor, $k_f(\psi_k)$	0,03	0,03	0,04	0,05	
Voltage change factor, $k_u(\psi_k)$	0,18	0,16	0,13	0,11	
Maximum inrush current factor k_{imax}	0,02				
Case of switching operation	Cut-in at 100%P_{Emax}				
Grid impedance angle, ψ_k	30°	50°	70°	85°	
Flicker step factor, $k_f(\psi_k)$	0,03	0,04	0,04	0,05	
Voltage change factor, $k_u(\psi_k)$	1,06	0,83	0,52	0,25	
Maximum inrush current factor k_{imax}	0,02				
Case of switching operation	Service disconnection at rated power				
Grid impedance angle, ψ_k	30°	50°	70°	85°	
Flicker step factor, $k_f(\psi_k)$	0,12	0,10	0,07	0,05	
Voltage change factor, $k_u(\psi_k)$	1,09	0,85	0,53	0,25	
Maximum inrush current factor k_{imax}	0,02				
Worst case over all switching operations, k_{imax}	0,02				

Note:

$S_{k,fic}/S_n$ in the fictitious grid was set to: 20.

The test results refer to the original test report 18TH0387_4120_TR3_0 issued by Bureau Veritas Consumer Products Services Germany GmbH, dated on 2018-10-22.