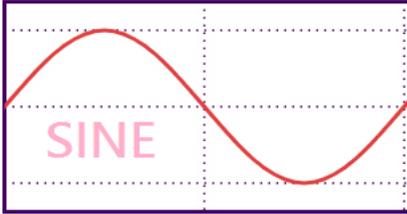


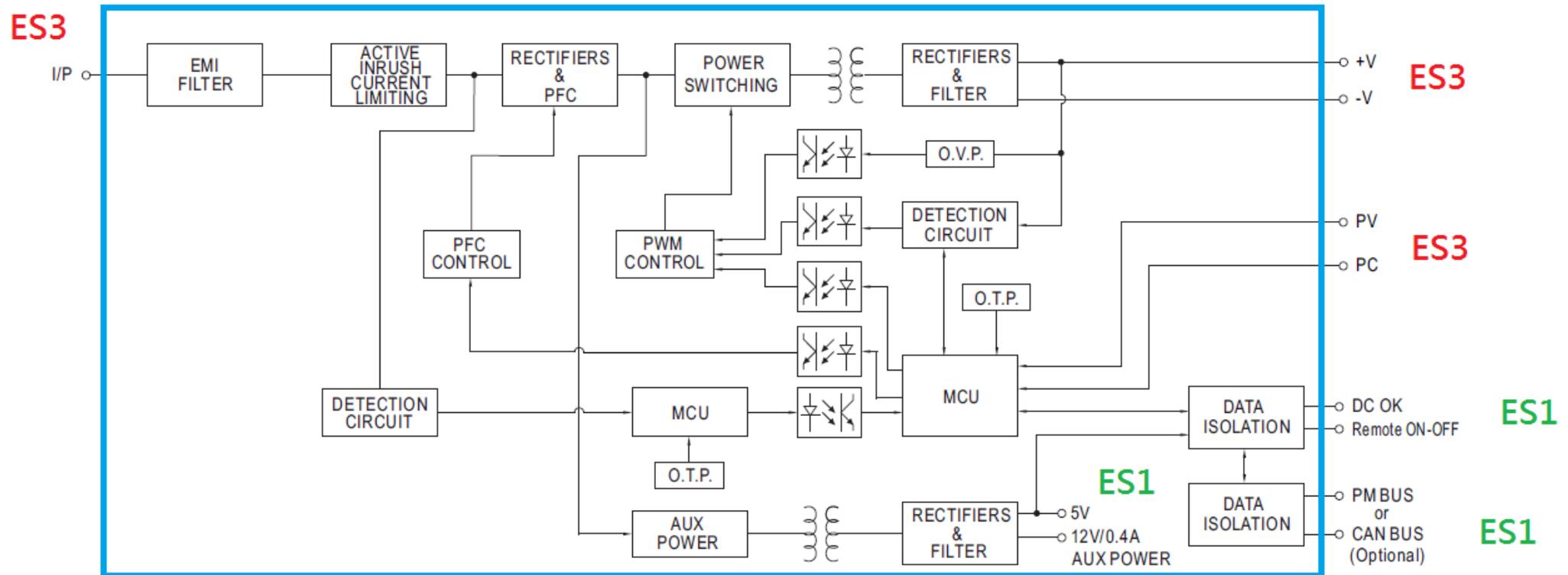
正常條件下

波形狀況	圖示	ES1	ES2	章節引用	
穩態波型		Sine wave (AC)	$\leq 30V_{rms}$	$\leq 50V_{rms}$	5.2.2.2 Table 4
		Direct-current (DC)	$\leq 60V_{dc}$	$\leq 120V_{dc}$	

穩態波型泛指: 連續波型長達2秒

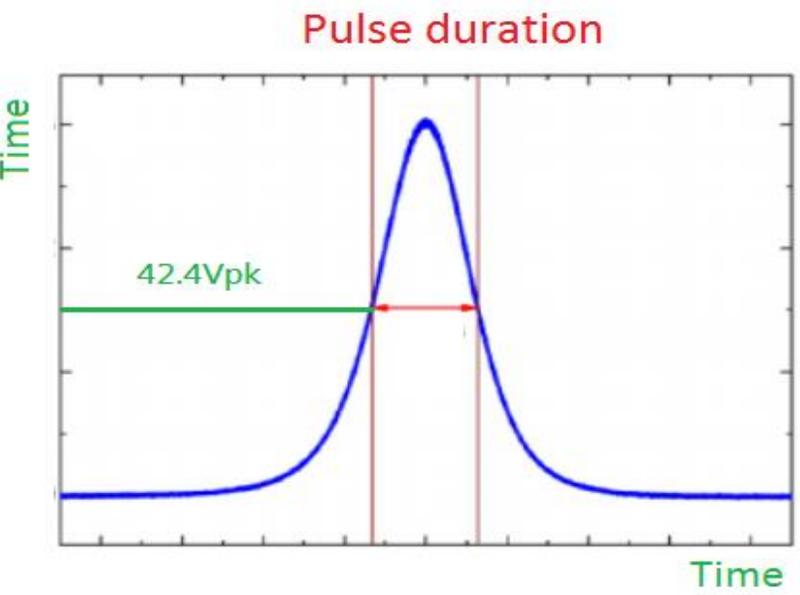
舉例:

UHP-1500-HV series



ES3 和 ES1 間隔離須保持加強絕緣或雙重絕緣。

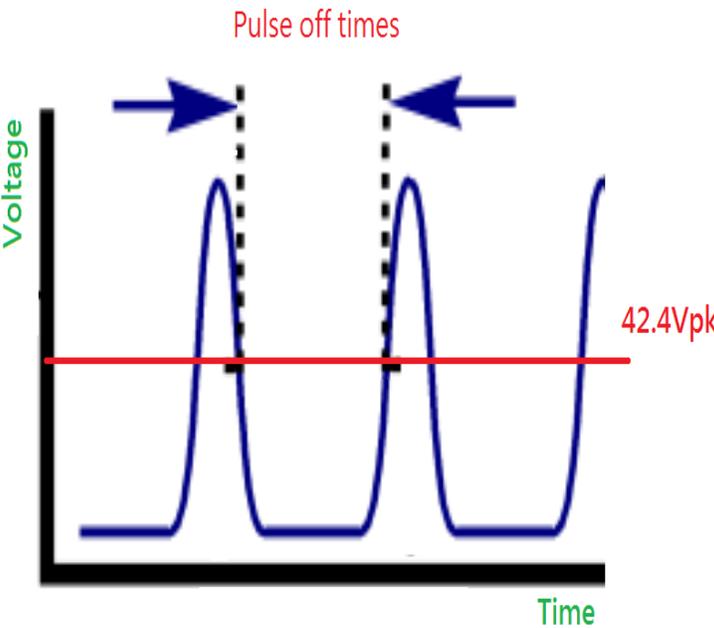
異常條件或是單一零件失效下

波形狀況	圖示 (*)	ES1	ES2	章節引用																
單一脈衝	 <p>Pulse duration</p>	60Vpk	<table border="1"> <thead> <tr> <th>Pulse duration up to and including</th> <th>ES2 U_{peak}</th> </tr> <tr> <th>ms</th> <th>V</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>196</td> </tr> <tr> <td>20</td> <td>178</td> </tr> <tr> <td>50</td> <td>150</td> </tr> <tr> <td>80</td> <td>135</td> </tr> <tr> <td>100</td> <td>129</td> </tr> <tr> <td>200 and longer</td> <td>120</td> </tr> </tbody> </table>	Pulse duration up to and including	ES2 U_{peak}	ms	V	10	196	20	178	50	150	80	135	100	129	200 and longer	120	5.2.2.4 Table 6
Pulse duration up to and including	ES2 U_{peak}																			
ms	V																			
10	196																			
20	178																			
50	150																			
80	135																			
100	129																			
200 and longer	120																			

(*) Pulse duration (脈衝時間)是指電壓超過 42.4Vpk的時間.

IEC 62368-1 ES 等級評判方式

異常條件或是單一零件失效下

波形狀況	脈衝截止時間	圖示(*)	ES1	ES2 (**)	章節引用														
連續脈衝	<3 sec	 <p>* Pulse off time < 3 sec: <42.4Vpk (ES1), < 70.7Vpk (ES2) * Pulse off time ≥ 3 sec: <60Vpk (ES1)</p>	42.4Vpk	70.7Vpk	5.2.2.2 Table 4														
	≥3sec		60Vpk	<table border="1"> <thead> <tr> <th>Pulse duration up to and including</th> <th>ES2 U_{peak}</th> </tr> <tr> <th>ms</th> <th>V</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>196</td> </tr> <tr> <td>20</td> <td>178</td> </tr> <tr> <td>50</td> <td>150</td> </tr> <tr> <td>80</td> <td>135</td> </tr> <tr> <td>100</td> <td>129</td> </tr> <tr> <td>200 and longer</td> <td>120</td> </tr> </tbody> </table>	Pulse duration up to and including	ES2 U_{peak}	ms	V	10	196	20	178	50	150	80	135	100	129	200 and longer
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(*) Pulse off times (脈衝截止時間): 兩個連續波形間, 電壓小於42.4Vpk的時間。

(**) Pulse duration (脈衝時間)是指電壓超過 42.4Vpk的時間。