Briefing on Differences Between IEC/EN 60950 and IEC/EN 60335-2-29

Item	60950	60335-2-29
Rated Input	- Rated A or mA - Max. only	- Rated W or A - Mark the upper and lower limits of the range(s), if the range(s) is > ± 10 % of the mean value of the given range
SELV	≤42.4Vp or 60Vdc	<42.4Vp or 42.4Vdc (The no-load output voltage shall not exceed 42.4Vdc.)
Earthed SELV	Allowed	Not Allowed
Hipot	B/I:1500Vac D/I:3000Vac	B/I:1250Vac D/I:3000Vac
Leakage Current (Touch current)	Class I: 0.75mA/ 3.5mA Class II: 0.25mA	Class I: 0.75mA; Class II: 0.25mA (Y capacitor can be removed)
Creepage Distance	Working voltage: 300Vrms B/I: 3.2mm D/I: 6.4mm	Working voltage: 300Vrms B/I: 3.0mm D/I: 6.0mm
Clearance	Working voltage: 300Vrms B/I: 2.0mm D/I: 4.0mm	Working voltage: 300Vrms B/I: 1.5mm D/I: 3.0mm
Opposite Polarity (L to N)	Creepage: 2.5mm Clearance: 1.5mm	Creepage: 2.0mm Clearance: 1.5mm
Grounding Impedance	32A /40A, 0.1Ω, 120s	25A, 0.1Ω, until steady conditions
Fuse	No broken allow	Broken allow
外殼防火要求:	移動式產品 : V-1 固定式產品 : 5VB	Glow wire test: 650°C for 30s (Normally V-2 will pass, HB also has chance to pass)
Insulation Sheet	1 layer: S/I or R/I: >0.4mm 3 layers: By Hipot test	1 layer: S/I :>1mm; R/I: >2mm 3 layers: By Hipot test
Triple Insulated Wire	Accepted 950 tested wire	Accepted 950 tested wire
Fault Condition	-	The battery charger is connected to a fully charged battery, the connections being in reverse to normal use
Capacitor across double insulation	One Y1 or Two Y2	Two Y1 or Two Y2

Revision: B