Seal Box Power Adapter Specification

Model		SD1412v2	SD1812	SD2412
Input	Voltage range	90~264VAC, 47-63Hz		200-264VAC, 47-53Hz
	AC current	Max. 1.5A		
	Efficiency	75%	77%	78%
	Inrush current	65 Amps max. at 230VAC/50Hz, full load		
	leakage current	0.25mA Max. at 264VAC input		
Output	DC voltage	12V		
	Voltage tolerance	±5%		
	Rated current	1A	1.5A	2A
	Line regulation	±3%		
	Load regulation	±5%		
	Ripple & noise	<200mVp-p		
	Setup,rise,hold up time	3S;40mS;5mS		
Protection	Over Load	Above 105% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed		
	Over Voltage	≤Vout*150%		
	Over Temperature	Shut down o/p voltage, re-power on to recover		
Environment	Working temp. humidity	-40°C ~+70°C ambient temperature a 5% to 95% relative humidity range throughout an altitude range of -60 meters to +5000 meters AMSL.		
	Storage temp. humidity	-40°C ~+70°C ambient temperature a 5% to 95% relative humidity range throughout an altitude range of -60 meters to +5000 meters AMSL.		
Safety	Withstand voltage	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC		
	Isolation resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25℃/ 70%RH		
	Safety standard	UL508, TUV BS EN/EN62368-1, EAC TP TC 004, BSMI CNS14336-1, AS/NZS 62368.1 approved		
	EMC Standard	Radiation Test&Conduction Test: EN 55022/FCC Part 15 Harmonic Test: EN 61000-3-2 Flicker Test: EN 61000-3-3		
Others	Dimension	50*50*25mm(L*W*H)		59*59*28mm(L*W*H)

Note:
1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF/47μF parallel capacitor.
3. Tolerance includes set up tolerance, line regulation and load regulation.
4. Setup and rise time is measured from 0 to 90% rated output voltage.
5. Power supply is considered as component not indented to apply by end-user. Power supply meets safety and EMC standards however the final equipment with power supply must be re-quality to comply with EMC Directives.