

\* CISPR 11, CLASS B

**3) Voltage Fluctuation & Flicker :**

\* IEC 61000-3-3 Class A

**4) Harmonic Distortion ) :**

\* IEC 61000-3-2 Class A

## 4.2 EMS

**The power supply shall comply with the following criterion:**

**1) ESD:** IEC 61000-4-2 Class A

8KV contact discharges & 15KV air discharges

**2) EFT:** IEC 61000-4-4 Class A

Power supply lines:  $\pm 2\text{kV}$

**3) SURGE:** IEC 61000-4-5 Class A

Line to line:  $\pm 1\text{kV}$ , line to earth:  $\pm 2\text{kV}$ , 12 ohms

**4) DIP:** IEC 61000-4-11 Criterion A/B/C

Drop	Time	Standard
0%Ut	10ms	A
0%Ut	20ms	B
70%Ut	500ms	B
0%Ut	5000ms	B

**5) Conducted Immunity:** IEC 61000-4-6 Class A

**6) Radiated Immunity:** IEC 61000-4-3 Class A

**7) Magnetic Fields:** IEC 61000-4-8 Class A

## 5. Reliability and environmental requirement

### 5.1 Temperature

\* Operating temperature :  $-10^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ , See the derating curve below.

\* Storage temperature :  $-40^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$ .

### 5.2 Humidity

\* Operating: From 5% to 95% relative humidity (non-condensing).

\* Storage: From 5% to 100% relative humidity (non-condensing).

### 5.3 Altitude

\* Operating: -60 to 5000 m

\* Storage: up to 5000 m

### 5.4 Cooling method

\* Cooling convection 300 W.