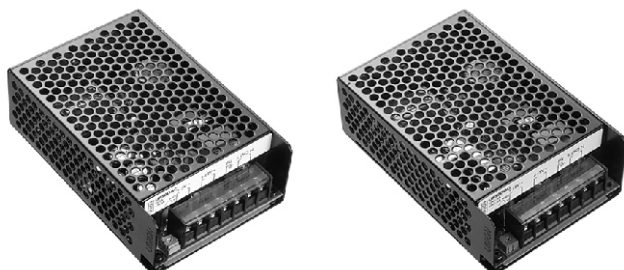


# 50D Series

50W DUAL OUTPUT



- ▶ Constant voltage design
- ▶ Wide input range
- ▶ Protection : Over load /Over voltage/Short circuit
- ▶ 100% full load burn-in test
- ▶ Suitable for industrial applications
- ▶ Safety standards : EN60950-1
- ▶ 3years warranty



## SPECIFICATIONS

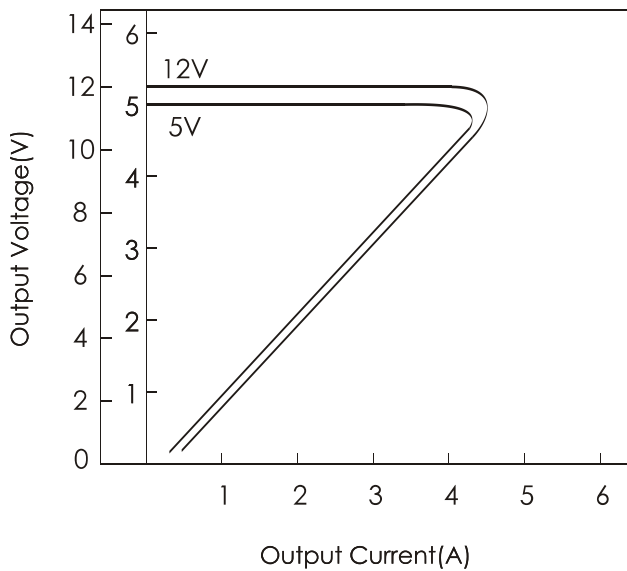
Item		UP50DAA	UP50DAC	UP50DAE	UP50DCC	UP50DDD	UP50DCA	UP50DEA							
INPUT	VOLTAGE	AC85~264V										1.2A typ (ACIN 110V, Io=100%) 0.6A typ (ACIN 220V, Io=100%)			
	FREQUENCY	50/60Hz(47~63Hz)													
	EFFICIENCY	80% Typ	80% Typ	80% Typ	80% Typ	80% Typ	80% Typ	80% Typ	80% Typ						
	INRUSH CURRENT	20A Typ(ACIN 110V, Io=100%)/40A Typ(ACIN 220V, Io=100%) at cold start													
OUTPUT	VOLTAGE [V]	<b>5</b>	<b>5</b>	<b>5</b>	<b>12</b>	<b>5</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>15</b>	<b>15</b>	<b>12</b>	<b>5</b>	<b>24</b>	<b>5</b>
	CURRENT [A]	<b>8.0</b>	<b>2.0</b>	<b>5.2</b>	<b>2.0</b>	<b>3.0</b>	<b>1.5</b>	<b>2.0</b>	<b>2.0</b>	<b>1.6</b>	<b>1.6</b>	<b>3.3</b>	<b>2.0</b>	<b>1.6</b>	<b>2.0</b>
	LINE REGULATION (Max)[mV]	25	25	25	60	25	120	60	60	75	75	60	25	120	25
	LOAD REGULATION (Max)[mV]	50	50	50	120	50	240	120	120	150	150	120	50	240	50
	RIPPLE (Max)[mVp-p]	50	50	50	120	50	240	120	120	150	150	120	50	240	50
	RIPPLE NOISE (Max)[mVp-p]	100	100	100	170	100	290	170	170	200	200	170	100	290	100
	TEMPERATURE DRIFT,0-50°C (Max)[mV]	50	50	50	120	50	240	120	120	150	150	120	50	240	50
	RISE TIME [msec]	100 Max (ACIN 85V, Io=100%)													
HOLDING TIME [msec]	10 Typ(ACIN 85V, Io=100%)														
PROTECTION	OVER CURRENT PROTECTION	Works at over 110% of rating and recovers automatically													
	OVER VOLTAGE PROTECTION	Works at 115~140% of rating													
ISOLATION	INPUT-OUTPUT	AC3,000V for 1 minute, DC500V 100Mohm (At room temp. & humid.)													
	INPUT-CASE, FG	AC1,500V for 1 minute, DC500V 100Mohm (At room temp. & humid.)													
	OUTPUT-CASE	AC500V for 1 minute, DC500V 100Mohm (At room temp. & humid.)													
ENVIRONMENT	OPERATING TEMP. & HUMID.	-10~+60°C (refer to "DERATING CURVE),20~90%RH													
	STORAGE TEMP. & HUMID.	-10~+75°C,20~90%RH													
	VIBRATION	10~55Hz at 1G 3 minutes period, 30 minutes along X, Y and Z axis													
	IMPACT	10G for 20 msec, Once on each X, Y and Z axis													



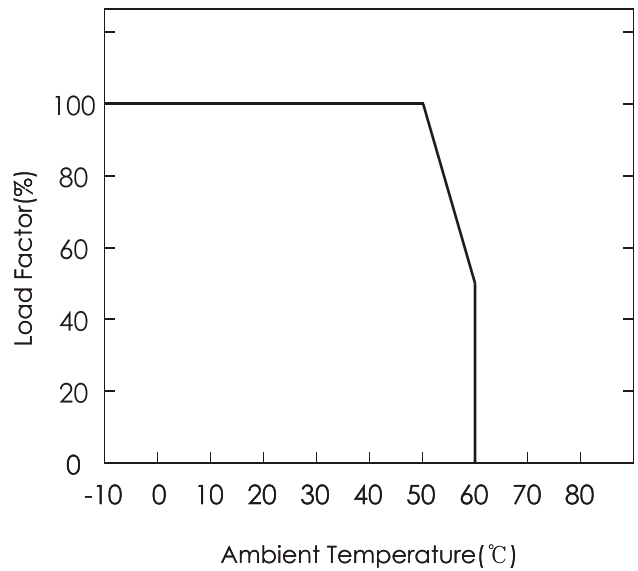
Characteristic curve

\*( UP50DAC MODEL )

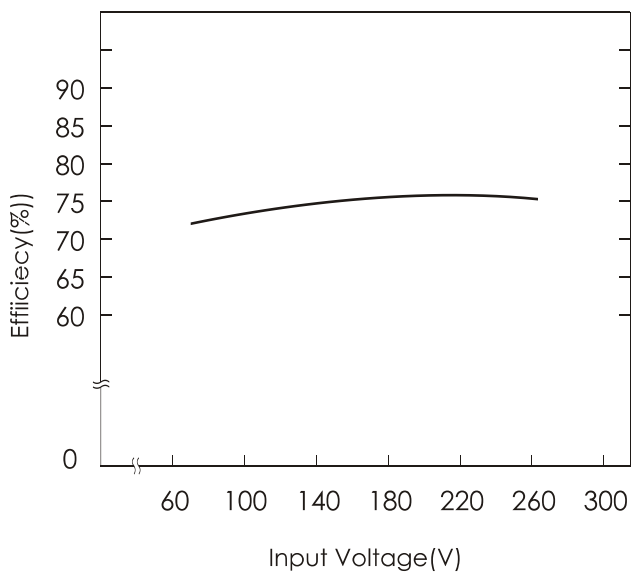
A. OVER CURRENT CHARACTERISTICS



B. DERATING CHARACTERISTICS



C. EFFICIENCY CHARACTERISTICS



D. RISING/FALLING TIME CHARACTERISTICS

