

- ▲ Input Voltage 220-240VAC
- ▲ Protections: short circuit/over load/over voltage
- ▲ IP20 Ingress protection
- ▲ Power Factor  $\geq 0.9$
- ▲ Efficiency  $\geq 85\%$
- ▲ Class I, SELV, Built-in
- ▲ Flicker-free design
- ▲ 3 years warranty

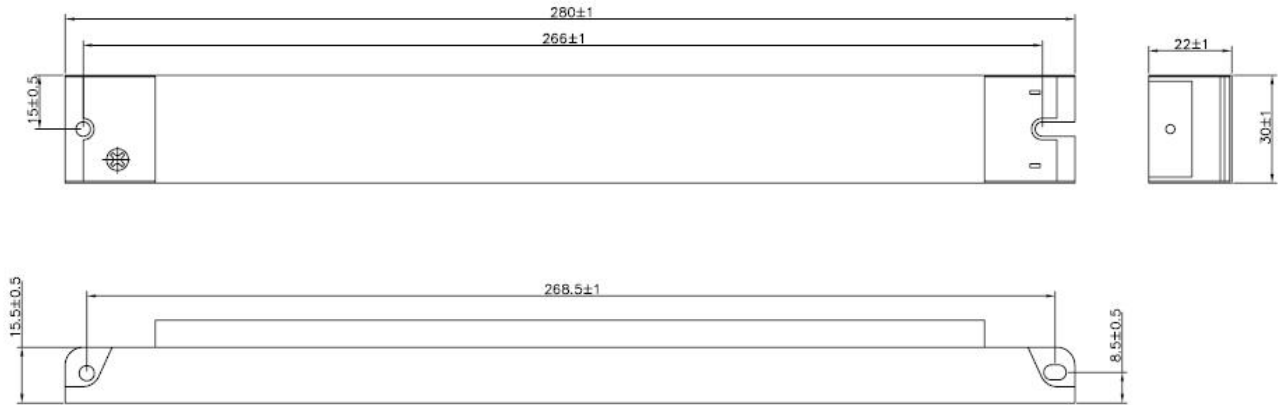


**SELV**   

**SPECIFICATION**

Input	Rated input voltage	220-240VAC					
	Range of input voltage	176-264VAC					
	Frequency(Hz)	50/60 Hz					
	Power Factor	$\geq 0.9@220-240VAC$					
	Input Current max	0.32A MAX. @Full Load,176VAC					
	Start-up time	<0.5S					
	Unload Power Consumption	$\leq 0.5W$					
	Inrush Current(peak/duration)	18.2 A Max/1540 us. @ 240Vac input, 25°C cold start, 10%Ipk-10%Ipk.					
	THD	10% Typ. @ 240Vac, Full Load.					
	Leakage Current	<0.5mA(240VAC)					
Output	Constant Current Note.3	500mA	700mA	1050mA	1200mA	...	1400mA
	Unload voltage Max.	90VDC	63VDC	46VDC	40VDC	...	35VDC
	Voltage Range(VDC)	48-80VDC	34.5-57.5VDC	23-38.5VDC	20-33.5VDC	...	17.5-29VDC
	Rated load	40W Max.	40.3W Max.	40.4W Max.	40.2W Max.	...	40.6W Max.
	Current Accuracy	$\pm 5\%$					
	Voltage Regulation	$\pm 3\%$ @Full Load					
	Load Regulation	$\leq 3\%$					
	Hold-up Time	1s max.@Full Load					
	Ripple& Noise Note.2	<30mAp-p	<42mAp-p	<63mAp-p	<72mAp-p	...	<84mAp-p
	Efficiency	$\geq 88\%$	$\geq 88\%$	$\geq 87\%$	$\geq 85\%$	...	$\geq 85\%$
Protection	Over Load Protection	105-120% Protection type: Auto Resume					
	Over Voltage Protection	>90VDC	>63VDC	>46VDC	>40VDC	...	>35VDC
	Short circuit Protection	Protection type: Auto Resume					
Environment	Operating Temperature	-10°C...+50°C					
	tc	75°C					
	Storage Temperature	-20°C...+60°C					
	Humidity	10%-90%RH					
	Life time	>30,000h @50°C					
Others	Dimension	280X30X22(LXWXH)mm					
Safety & EMC	Safety standards	EN 61347-1; EN61347-2-13					
	Withstand voltage	Input-Output: 3750V/5mA/1min; Input-FG: 1500V/5mA/1min; Output-FG: 500V/5mA/1min					
	Isolation resistance	Input-Output: $\geq 4M\Omega@500VDC$					
	EMC standards	EN55015; EN61000-3-2 Class C; EN61000-3-3					
	EMS	EN 61547;EN 61000-4-2 — Performance Criteria B; EN 61000-4-5 —L-N 1KV, L/N-G 2KV; Performance Criteria C					
Note	<p>1.All parameters NOT specially mentioned are measured at 240VAC input , rated load and 25°C of ambient temperature.</p> <p>2.Ripple &amp; Noise are measured at 20MHz of bandwidth by using a 300mm twisted pair-wire terminated with a 0.1uF &amp; 47 uF parallel capacitor.</p> <p>3.Output current can be from 500mA to1400mA and increasing in multiples of 50mA. Please see Model list below and contact EAGLERISE for details.</p>						

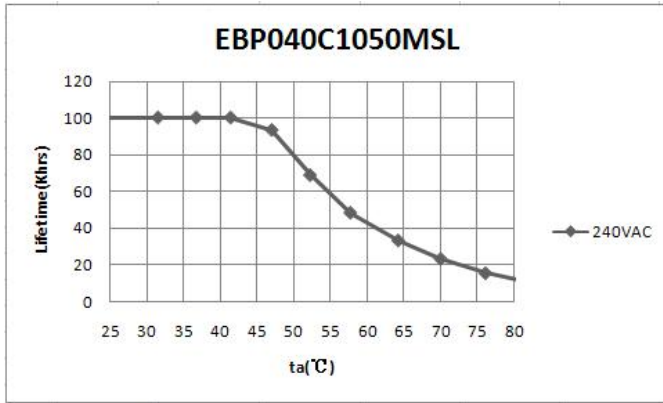
MECHANICAL SPECIFICATIONS



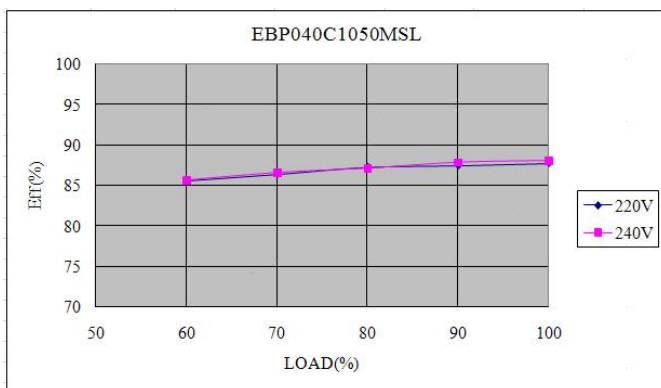
Model list

Model number	Input			Output			Prated(W)
	Voltage (VAC)	Current (A)	Frequency (Hz)	Constant current (mA)	Normal working voltage (VDC)	No load working voltage (VDC)	
EBP040C0500MSL	220-240	0.32	50/60	500	48-80	90	40
EBP040C0550MSL				550	43.5-73	79	40.2
EBP040C0600MSL				600	40-67	75	40.2
EBP040C0650MSL				650	37-62	70	40.3
EBP040C0700MSL				700	34.5-57.5	63	40.3
EBP040C0750MSL				750	32-53.5	61	40.1
EBP040C0800MSL				800	30-50	58	40
EBP040C0850MSL				850	28.5-47.5	55	40.4
EBP040C0900MSL				900	26.5-44.5	50	40.1
EBP040C0950MSL				950	25.5-42.5	50	40.4
EBP040C1000MSL				1000	24-40	48	40
EBP040C1050MSL				1050	23-38.5	46	40.4
EBP040C1100MSL				1100	21.5-36.5	44	40.2
EBP040C1150MSL				1150	21-35	42	40.3
EBP040C1200MSL				1200	20-33.5	40	40.2
EBP040C1250MSL				1250	19-32	39	40
EBP040C1300MSL				1300	18.5-31	38	40.3
EBP040C1350MSL				1350	18-30	35	40.5
EBP040C1400MSL				1400	17.5-29	35	40.6

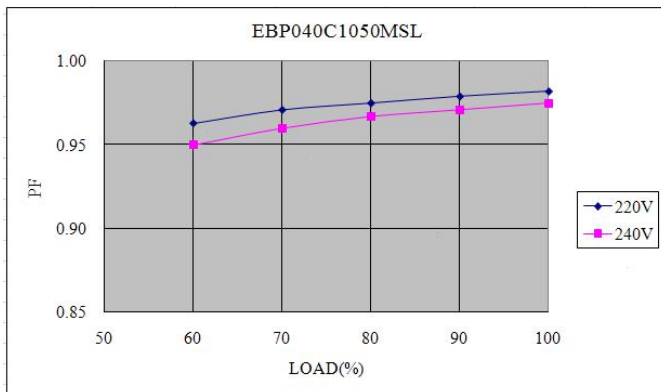
### Lifetime vs. Ambient Temperature Curve



### Efficiency vs. Load



### Power Factor Characteristics



### DESCRIPTIONS OF CHANGE

变更项目 ITEM	变更前 BEFORE	变更后 AFTER	版本 VERSION	变更日期 DATE
增加 5 个曲线图			A1	2017-3-6
去掉寿命 vs. tc 曲线, THD 和 inrush current 改为具体值			A2	2017-3-16