

BATTERY CHARGERS COMPACT SERIES

BPR 0324M



FEATURES :

- Protections: Short circuit/ Overload/ Over voltage
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- LED indicator for power on
- Bult-in DC OK relay contact
- No load power consumption<0.75W
- 100% full load burn-in test
- 3 years warranty

MODEL		Battery Charger BPR 0324M		
OUTPUT	DC VOLTAGE	24 V		
	RATED CURRENT	2.5 A		
	CURRENT RANGE	0 ~ 3 A		
	RATED POWER	60 W		
	RIPPLE 1 NOISE (max)	150mVp-p		
	VOLTAGE ADJ. RANGE	24 ~ 30 V		
	LINE REGULATION	(±) 1,0%		
	LOAD REGULATION	(±) 1.0%		
	SETUP, RISE TIME	500ms, 30ms/230VAC	500ms, 30ms/115VAC at full load	
	HOLD UP TIME (Typ.)	50ms/230VAC	20ms/115VAC at full load	
▲ INFORMATION	Please adjust output voltage required with the potentiometer according to the battery charger type before the commissioning			
INPUT	VOLTAGE RANGE	85 ~ 264VAC	120 ~ 370VDC	
	FREQUENCY RANGE	47 ~ 63Hz		
	EFFICIENCY (Typ.)	88%		
	AC CURRENT (Typ.)	1.8A/115VAC	1A/230VAC	
	INRUSH CURRENT (Typ.)	COLD START 30A/115VAC		60A/230VAC
	LEAKAGE CURRENT	<1mA / 240VAC		
PROTECTION	OVERLOAD	105 ~ 150% rated output power Protection type: constant current limiting with auto-recovery after fault condition is removed		
	OVER VOLTAGE	31.2 - 36V Protection type : Shut down o/p voltage, re-power on to recover		
FUNCTION	DC OK REALY CONTACT RATINGS (max.)	30V/1A resistive		
ENVIRONMENT	WORKING TEMP.	(-)20 ~ (+)70°C		
	WORKING HUMIDITY	20 ~ 90% RH non condensing		
	STORAGE TEMP, HUMIDITY	(-)40 ~ (+)85°C, 10 ~ 95% RH		
	TEMP. COEFFICIENT	(±)0.03%/°C (0 ~ 50°C)		
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X,Y,Z axes		
SAFETY & EMC	SAFETY STANDARDS	TUV EN60950-1 approved		
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC		
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C / 70% RH		
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B		
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3		
OTHERS	EMS IMMUNITY	Compliance to EN6100-4-2,3,4,5,6,8,11, ENV50204, EN55024, EN61000-6-2 (EN50082-2), heavy industry level, criteria A,SEMI F47 approved		
	MTBF	299.2Khrs min MIL-HDBK-217F (25°C)		
	DIMENSION	40*90*100mm (W*H*D)		
	PACKING	0.33Kg; 42pcs/14.8Kg/0,82CUFT		
NOTES	All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.			
	Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair wire terminated with a 0.1uf & 47uf parallel capacitor.			
	The power supply is considered a component wich will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives			
	Installation clearances : 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently with full power. In case the adjacent device is a heat source, 15mm clearance is recommended.			

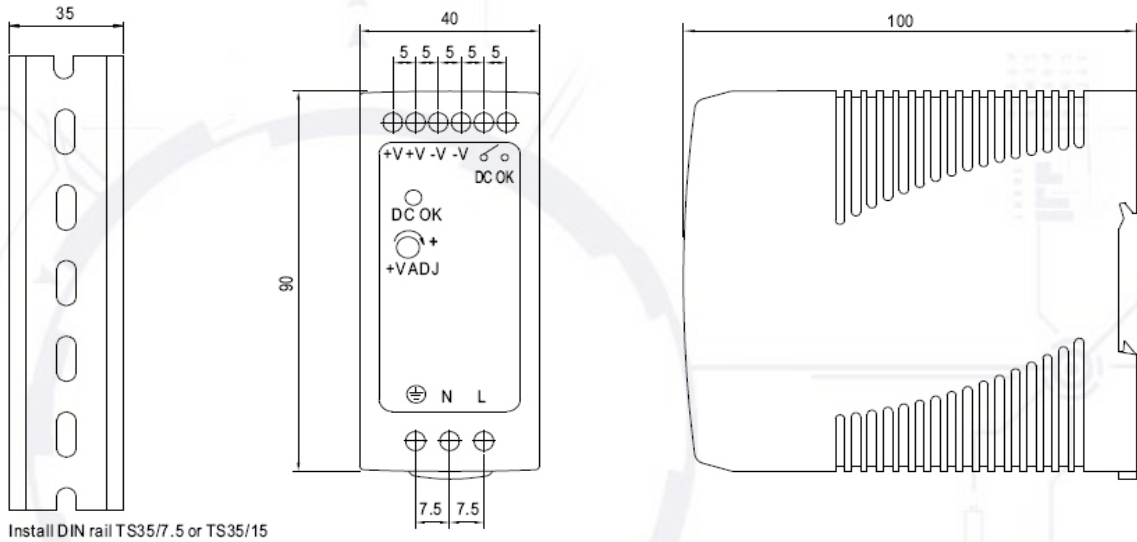
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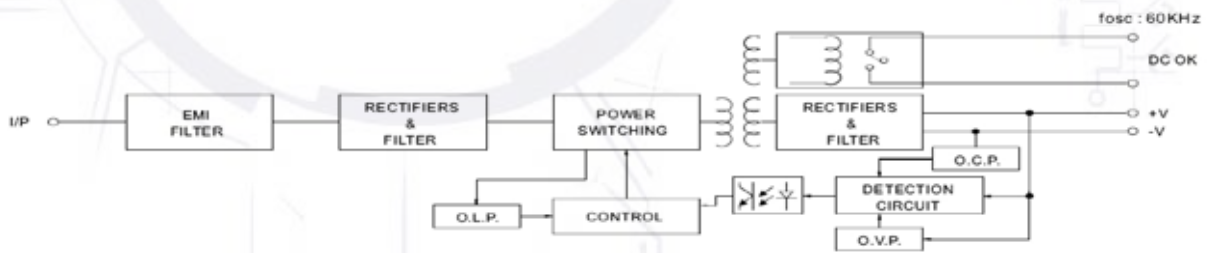


MECHANICAL SPECIFICATION

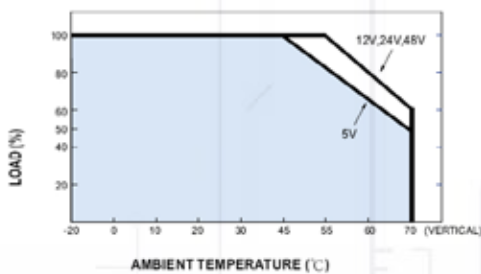
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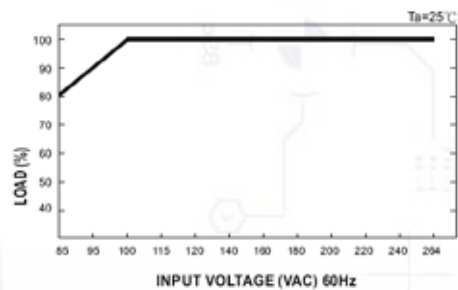
BLOCK DIAGRAM



DERATING CURVE



STATIC CHARACTERISTICS



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