

75W Battery Charger

ETC-75-12-5-P-LA



➤ Features:

- ECO SMART Technology: No load power consumption is negligible which Increase life of Battery.
- Protections: Reverse Battery/ Short Circuit / Over Load/ Over Voltage/Thermal Protection.
- Natural Air Cooled.
- Fully Isolated M.S.Box.
- Precise current limit 5A.
- Efficiency is up to 87%.
- 100% Full Load Burn in Test.
- Float, Boost and Trickle current charging mode.
- High Operating Temperature up to 85°C
- Withstand 300VAC Surge Input for 5Sec
- Warranty: 1 year

➤ Applications:

- Diesel Generator.
- Car Battery Charger.
- UPS & Invertor.

➤ Description:

ETC-75 is a Single Output 75W AC/DC SMPS type Battery Charger with 3 Stage Charging Curve. The Battery Charger is compatible with Lead Acid Batteries. The Charger has various protections for Short-Circuit, Over-Load, Over-Voltage, Over-Current and Over-Temp. It operates over a Wide Temperature Range under free Air convection.

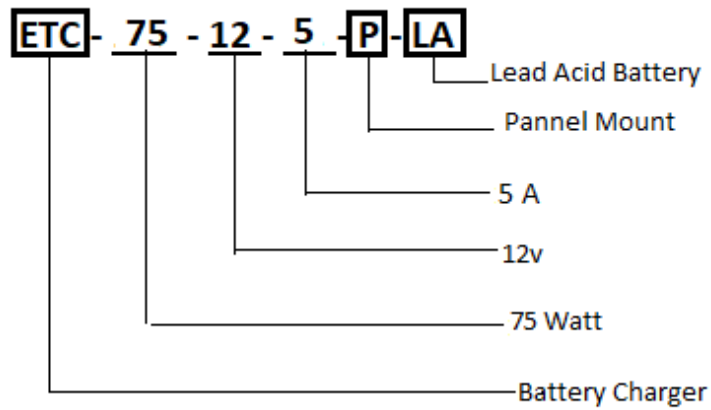
Ergen Technovation Private Limited

CIN : U34300PN2022PTC210839 | GSTN : 27AAHCE0164H1ZS

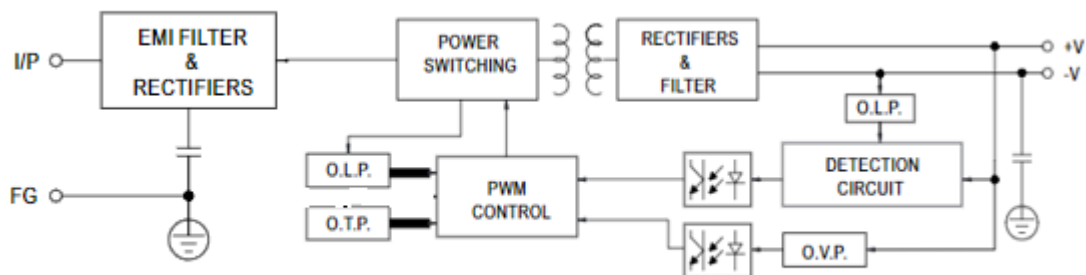
Corporate Office : Sr.No.143, Opp. Greenfield Hotel, Sinhagad Road, Vadgaon Dhayari, Pune – 411041.

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➤ **Model Encoding:**



➤ **Block Diagram:**



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➤ **Specifications:**

	MODEL	ETC-75-12-5-P-LA
OUTPUT	BOOST CHARGING VOLTAGE	13.8V - 14.4V
	FLOAT CHARGING VOLTAGE	13.4V - 13.7V
	CHARGING VOLTAGE RANGE	8.5V ~ 14.5V
	OUTPUT CURRENT (FLOAT)	0 - 2A
	OUTPUT CURRENT (BOOST)	2 - 5A
	RATED POWER	75 W
	RECOMMENDED BATTERY CAPACITY (AMP HOURS)	30 ~ 100AH
INPUT	LEAKAGE CURRENT FROM BATTERY	<1mA
	INPUT VOLTAGE RANGE	150 ~ 270 VAC
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY	UP TO 87%
	AC CURRENT	0.967A/150VAC ~ 0.63/230VAC
	INRUSH CURRENT	COLD START 65A at 230VAC
	LEAKAGE CURRENT	<3.5mA / 240VAC
PROTECTION	SHORT CIRCUIT	Protection type: Shut down output voltage
	OVER VOLTAGE	Protection type: Fold Back to give min. power
	REVERSE POLARITY	By Relay
	OVER TEMPERATURE	Shut down. O/P voltage, recovers automatically after temperature goes down
ENVIRONMENT	WORKING TEMPERATURE	0 ~ +55 °C
	WORKING HUMIDITY	20 ~ 95% RH non-condensing
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing
	TEMP. COEFFICIENT	±0.05% / °C (0 ~ 50°C)
	VIBRATION	10 ~ 500Hz, 2G 10min/1cycle, 60min, each along X, Y, Z axes
OTHERS	DIMENSIONS	165x82x60mm (L*W*H)
	PACKING	0.6kg; 10pcs/6kg /1.38CUFT

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