

300W Battery Charger ETC-300-24-10-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.
- Cooling given by 12V-0.15A FAN
- Fully Isolated M.S.Box.
- Compact in size : Gives more space in Panel.
- Precise current limit 10A.
- 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
- Dinrail Mounting is provided.
- Warranty: 1 year

➤ Applications:

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

➤ Description:

ETC-300 is a Single Output 300W 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 forced Air cooling.

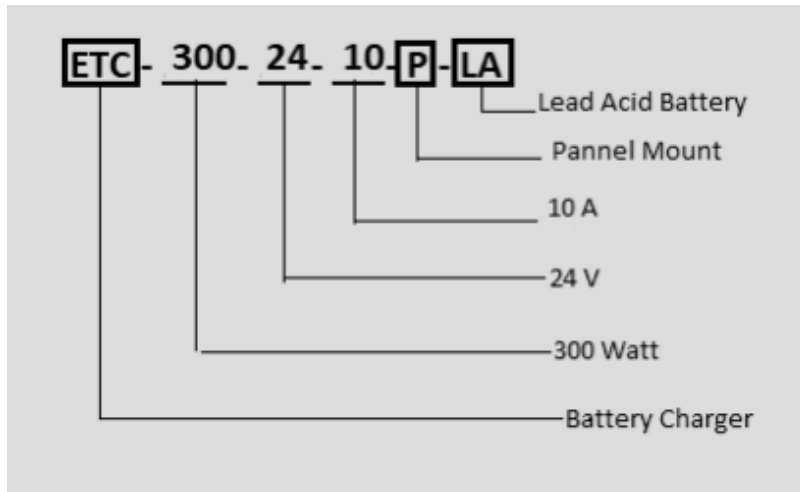
Ergen Technovation Private Limited

CIN : U34300PN2022PTC210839 | GSTN : 27AAHCE0164H1ZS

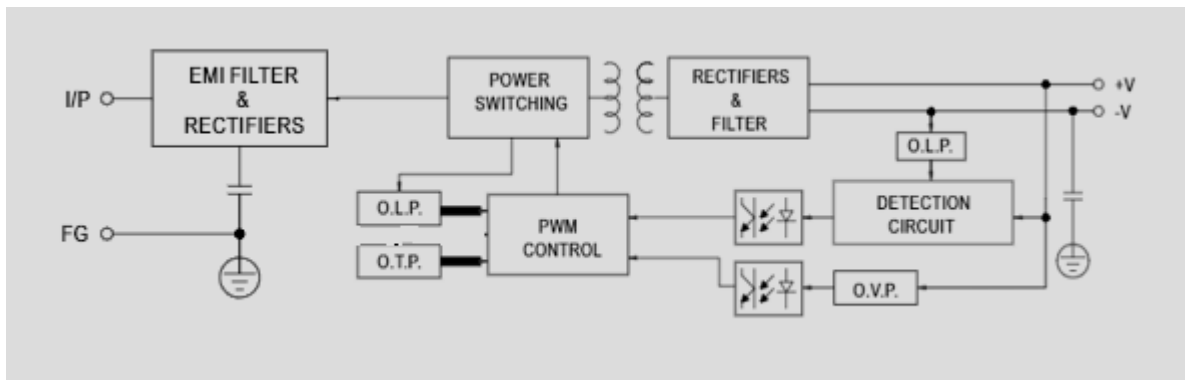
Corporate Office : Sr.No.143, Opp. Greenfield Hotel, Sinhagad Road, Vadgaon Dhayari, Pune – 411041.

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➤ **Model Encoding:**



➤ **Block Diagram:**



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➤ Specifications:

	MODEL	ETC-300-24-10-P-LA
OUTPUT	BOOST CHARGING VOLTAGE	27.8V - 28.4V
	FLOAT CHARGING VOLTAGE	26.8V - 27.4V
	CHARGING VOLTAGE RANGE	20V ~ 28.2V
	OUTPUT CURRENT (FLOAT)	0 - 3A
	OUTPUT CURRENT (BOOST)	3 -10A
	RATED POWER	282 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	2.5A/115VAC ~ 1.25/230VAC
	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	185x101x68mm (L x W x H)
	PACKING	0.98kg; 10pcs/10.8kg /1.38CUFT

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