



FEATURES

- ECO SMART Technology : No load drop is negligible. Increase life of Battery.
- Protections: Reverse Battery/ Short Circuit/ Over Load /Over Voltage/Thermal Protection.
- Force Air Cooled.
- Fully Isolated M.S. Box.
- Compact in size : Gives more space in Panel.
- Efficiency is 87% - 100% Full Load Burn in Test.
- Precise Current Limit at 10A.
- High Operating Temperature up to 85°C
- Withstand 3000VAC Surge Input for 5 Sec
- Dinrail Mounting can be provided

APPLICATIONS

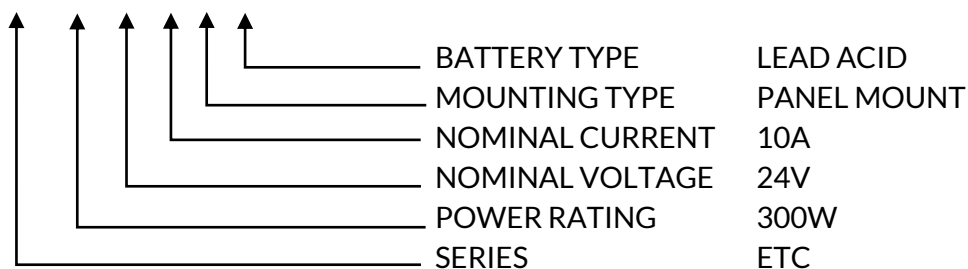
- Diesel Generator
- Car Battery Charger
- UPS/ Inverter
- TV/ Mobile Antenna Stations

DESCRIPTION

ETC-300 is a Single Output 300W AC/DC SMPS type Charger with 3 Stage Charging Curve. The Battery Charger is compatible with GEL/AGM type Sealed Lead Acid Batteries. The Charger has various protections for Short-Circuit, Over-Load, Over-Voltage, Over-Current and Over-Temperature. It operates over a Wide Temperature Range under forced Air convection.

MODEL ENCODING

ETC-300-24-10-P-LA



Specifications

	MODEL	ETC-300-24-10-P-LA
OUTPUT	BOOST CHARGE VOLTAGE (Vboost)(default)	27.8V - 28.4V
	FLOAT CHARGE VOLTAGE (Vfloat)(default)	26.8V - 27.4V
	CHARGE 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
	LEAKAGE CURRENT FROM BATTERY (typ.)	<1mA
INPUT	INPUT VOLTAGE RANGE	150 ~ 270 VAC
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY (typ.)	87%
	AC CURRENT (typ.)	2.5A/115VAC ~ 1.25/230VAC
	INRUSH CURRENT (typ.)	COLD START 65A at 230VAC
	LEAKAGE CURRENT	<3.5mA / 240VAC
PROTECTION	SHORT CIRCUIT	Protection type : Shut down output voltage
	OVER VOLTAGE	Protection type : Shut down and Automatic power ON after recovery
	REVERSE POLARITY	By Relay
	OVER TEMPERATURE	Shut down O/P voltage, Recovers automatically after temperature goes down
ENVIRONMENT	WORKING TEMPERATURE	0 ~ +55 °C (refer to "Derating curve")
	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 (LxWxH)
	PACKING	0.98kg; 10pcs/10.8kg /1.38CUFT