

# DATASHEET - EV200 16.8V-5A



## SPECIFICATIONS

	MODEL	EV200 16.8V/5A
OUTPUT	OUTPUT VOLTAGE	16.8VDC $\pm$ 0.10V
	OUTPUT NOMINAL VOLTAGE	14.8V DC
	OUTPUT CURRENT	5Amp $\pm$ 0.10Amp
	RIPPLE	<500mV. Pk-Pk , at Nominal Input
	RATED POWER	Upto 84 W
	EFFICIENCY (typ.)	87%
	RECOMMENDED BATTERY CAPACITY (AMP HOURS)	30 Ah
INPUT	INPUT VOLTAGE RANGE	150 ~ 270 VAC
	FREQUENCY RANGE	47 ~ 63Hz
	AC CURRENT (typ.)	0.64A/150VAC ~ 0.35A/270VAC
	INRUSH CURRENT (typ.)	COLD START 65A at 230VAC
	LEAKAGE CURRENT	<3.5mA / 240VAC
PROTECTION	SHORT CIRCUIT	Protection type : Shut down output voltage
	OUTPUT OVER VOLTAGE	AVAILABLE
	REVERSE BATTERY INDICATION	Available
	SURGE	YES
	OUTPUT OVER LOAD	YES
ENVIRONMENT	WORKING TEMPERATURE	0 ~ +85 °C
	WORKING HUMIDITY	20 ~ 95% RH non-condensing
	STORAGE TEMP., HUMIDITY	40 ~ +85°C , 10 ~ 95% RH non-condensing
	TEMP. COEFFICIENT	$\pm$ 0.05% / °C (0 ~ 50°C)
	VIBRATION	10 ~ 500Hz, 2G 10min/1cycle, 60min,each along X,Y,Z axes
ELECTRICAL WIRE	AC INPUT CONNECTION	3-Pin AC Plug with 3 core cable, 6A , 1.5 meter length
	DC OUTPUT	1 sq mm, 2-Core cable ,1.5 meter length, with XT60 Connector
INDICATION	CHARGING ON	1 Red LED
	CHARGE COMPLETE, CHARGER ON	1 Green LED
	BATTERY CHARGING INDICATION	4 Green LED
	OVER VOLTAGE INDICATION	1Red LED
	BATTERY REVERSE	1Red LED
OTHERS	DIMENSIONS	150*85*65mm(L*W*H)

## FEATURES

- Suitable for 4S Li- Ion Batteries
- Protections: Reverse Battery /Short Circuit/ Over Load/ Over Voltage/Surge.
- ECO SMART Technology : No load drop is negligible. Increase life of Battery.
- Air Cooling done by 12V DC Fan
- Fully Isolated Aluminium Casing
- Precise Voltage and Current limits.
- Bump and Vibration resistant
- 3-Pin AC Power Cord attached.
- Deep Discharge charging capability.
- Compact Design -Easy to Carry.
- Efficiency is 87% Full Load Burn in Test.
- High Operating Temperature upto 85°C
- Withstand 300VAC Surge Input for 5 Sec
- Warranty : 1 year

## APPLICATION:

- Ideal for Two-Wheeler Electric Vehicle having NMC Lithium battery of 14.8-4s