



## Description

This product is a 340W, 4000mA constant current charger with ultra-high efficiency, high reliability, and long service life, which can be used for electric motorcycles and bicycles.



## Applications

- E-motorcycles
- E-bicycles

## Features

- Input voltage: 165~264Vac
- ultra-high efficiency: 92% typical @220Vac& full load
- Software control(CAN)
- No load consumption lower than 5W@220Vac
- Plastic shell power supply
- Output power: 340W
- with all-round protections
- Meet Safety technical requirements for electric bicycle chargers
- Protection level: IPX5

# Specifications

Model	PLD 340-EVNX02-08504NEJ
Input Voltage	165~264Vac, Typ220Vac
Input Frequency	47~63Hz, Typ50Hz
Input Current	1.8A max. @ 220Vac input & full load
Output Voltage	83.2~83.8V @ CC mode 0.4A
Output Power (MAX)	344.4W
AC Line Inrush Current (25°C Cold Start)	No component shall be damaged and the input fuse shall not blow when the charger is powered on.
Power Factor	0.4 @220Vac, 25°C, Full load
Efficiency	91%~92%@220Vac, 25°C, Full load
AC Line Brownout	The charger shall not damage when the input is below 165Vac
Current Ripple	1200mA max, with typical battery at 25°C @ 220Vac input, measured at 20MHz bandwidth.
Voltage Ripple	1500mV max , with typical battery at 25°C 220Vac input , measured at 20MHz bandwidth and output paralleled with a 0.1uF ceramic capacitor and a 10uF electrolytic capacitor
Communication	CAN
Protections	OTP , SCP, OVP, RCP, Open Circuit Protection, Overcharge Protection, Timing Protection
Output Current Precision	1.0A ±500mA @ 25°C, 220Vac, 40V±1V ~ 60V±1V 4.0A ±200mA @ 25°C, 220Vac, 60V±1V ~ 82V
Working Temperature	-20°C~ +40°C
Ingress Grade	IPX5
MTBF	at least 100,000 hours@ 25°C, 230Vac input, full load output.
Life Time	at least 15,000 hours@ 25°C, 230Vac input, full load output
Agency Requirements	A) Comply with “Safety Technical Requirements For Electric Bicycle Chargers” B) Dielectric Strength(Hi-pot): Primary to Secondary: 3000Vac / 5mA Max / 60s (3s for production) C) Leakage Current: 0.25mA max. @240Vac / 50Hz D) Insulation Resistance: 50Mohm min. @ primary to secondary add 500Vdc test voltage
Dimensions (LxWxH)	/
Weight	/