



Filatech Enterprise Pvt. Ltd.

Email :
support_ftc@filatech.in

Contact No. :

0124-4064798



E-BIKE Battery Charger

(48V & 60V, 15A Charger)

15
MONTH
Warranty



Long Life



Deep Discharge
Charging Capacity

APPLICATIONS

e-Bike's Li-ion (LFP & NMC) battery charging.

e-Bike's Li-ion battery charger is specially designed to enable effective conversion of AC power to DC power, for appropriate charging to e-Bike's battery.

Inherent microcontroller-based technology is highly effective to ensure two stage charging (CC/CV) with soft start feature in a very precise manner.

SALIENT FEATURES

- ✓ Wide input range 170V~270V
- ✓ Full power delivery up to 50degC ambient temperature range.
- ✓ LED indication for accurate charging level indication.
- ✓ Various protection (Output over voltage, Over current, Over temperature, Short circuit. Mains low/high-cut off) provided to ensure high reliability.
- ✓ Four stage charging profile (Soft Start, CC/CV, & Float mode) implemented to ensure the lead acid battery charging in appropriate manner.

ADVANTAGES

- Micro controller based design enables advanced functionality to meet most requirements & intelligence for self-protective features like cut output power at high temperature.
- Optimally designed for effective space management.

Document: E-Bike Battery Charger Datasheet (Rev-1.4), Specification is subject to change without notice.

Regd. Office: Unit-19, First Floor, Augusta Point, Golf Course Road, Sector-53, Gurugram, Haryana, India, Pin-122002

Manufacturing Unit: Plot-70 (2nd Floor), Pace City-2, Udyog Vihar, Phase-VI, Sector-37, Gurugram, Haryana, India



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E-BIKE Battery Charger

(48 & 60V, 5A Charger)

TECHNICAL SPECIFICATION:

	48V/5A Charger	60V/5A Charger
Model	FCH4805-13NC5460 FCH4805-15LP5475 FCH4805-16LP5840	FCH6005-17NC7140 FCH6005-19LP6935
INPUT (AC)		
Operational Voltage	230Vrms (170~270) Vrms	
Input Current	≤ 3A	
Mains Frequency	50Hz (47~53 Hz)	
Protection	Input Voltage Protection, Fuse (Internal)	
Connection	2 core cable with pluggable connector (L, N)	
OUTPUT (DC)		
Max. Voltage	54.60VDC (FCH4805-13NC5460)	71.40VDC (FCH6005-17NC7140)
	54.75VDC (FCH4805-15LP5475)	69.35VDC (FCH6005-19LP6935)
	58.40VDC (FCH4805-15LP5840)	
Max. Output Current	5A	
Output Power	300W (max.)	360W (max.)
Protections	Output over voltage protection, Over temperature protection, Over load protection, Short Circuit, Fuse	
Connection	2 Core Cable with Pluggable connector (+ve & -ve)	
Efficiency	>85% @ Nominal input voltage & full load	
VISUAL INDICATIONS		
Amber LED	Mains (ON/OFF)	Battery not Charging
Red/Green LED	Red LED (Stable)	Battery Charging (SOC < 50%)
	Red LED (Blinking)	Battery Charging (SOC ≥ 50%)
	Green LED (Blinking)	Battery Charged
	Green LED (Stable)	
OTHER SPECIFICATIONS		
Dimensions (H*W*D)	(70*110*187) mm	
Weight	0.75 KG	
Cooling	Force Cooling (Fan)	
Operating Temperature	0°C ~ 50°C	
Storage Temperature	-10°C ~ 60°C	
Humidity	9 ~ 90%RH Non-Condensing	

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