



167 Shan-ying Road, Gueishan, Taoyuan 333, Taiwan, ROC.

IMPORTANT SAFETY INSTRUCTIONS

1. **SAVE THESE INSTRUCTIONS** – This manual contains important safety and operating instructions for battery charger Models B240-301.
2. Before using battery charger, read all instructions and cautionary markings on battery charger, battery, and product using battery.
3. **CAUTION** – To reduce risk of injury, charge only Li-ion type rechargeable batteries. Other types of batteries may burst causing personal injury and damage.
4. Please read these operating instructions carefully before operating the battery charger.
5. Keep this instruction for later reference.
6. Do not open the equipment to reduce the risk of electrical shock. For safety reasons it is only allow to be opened by qualified service personnel.
7. Protect equipment from humidity.
8. If the equipment is not used for long time, disconnect the equipment from power supply to avoid being damaged by transient over voltage.
9. If the power supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similar qualified person in order to avoid a hazard.

AC power supply cables manufacturer	Wire type:	Wire plug type	Length
I-SHENG ELECTRIC	SVT 18/3 60C BLACK (USA)	SP305B+IS34	1800mm
	WIRE H05VV-F 0.75/3 BLACK (SWISS)	SP27C+IS34	1800mm
	HVCTF 3G 0.75 (JP)	SP-305B+IS34	1800mm
	H05VV-F 0.75/3 BLACK (EU+KC+EAC)	SP022+IS034	1800mm
	H05VV-F 3G 0.75mm ² (AU)	SP-502B+IS-034	1800mm
	H05VV-F 3G 0.75mm ² (UK)	SP-62+IS-034	1800mm

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

10. Children should be supervised to ensure that they do not play with the appliance.
11. Cleaning and user maintenance shall not be made by children without supervision
12. Can't used for charging non-rechargeable batteries.
13. Disconnect AC power before DC output unplug
14. The power unit is capable of operating at different voltage without user adjustment.

SAVE THESE INSTRUCTIONS

A. Specification:

Model name	B240-301
Input	100-240Vac 50/60Hz 2.3A(max) / 100-120Vac 50/60 Hz 2.3A(max) (for North America only)
Output	42Vdc 5.6A (Max. 168W)
Charging mode	Constant Current & Constant Voltage & Constant Watt

1. Efficiency : over 85%
2. Output protection :
 - a. Output short circuit protection
 - b. Charging limiting protection
 - c. Over Voltage protection
3. Temperature & Humidity : -10-40°C & 5%-90%

4. Status LED display :

State	Red LED	Green LED	Orange LED
Battery unconnected	○	●	○
Initial charge	●	○	○
Normal charge SOC < 20%	✱	○	○
Normal charge SOC 20~39%	✱ ✱	○	○
Normal charge SOC 40~59%	✱ ✱ ✱	○	○
Normal charge SOC 60~79%	✱ ✱ ✱ ✱	○	○
Normal charge SOC ≥ 80%	✱ ✱ ✱ ✱ ✱	○	○
Charge completed	○	●	○
Battery failure / Charger failure	○	○	✱

✱ LED is Blinking.

5. Dimension: Max--- 176*91*44 (mm)

B. Trouble shooting :

- ◆ When getting through AC power, please check the power LED lighted "Red" first. (not plug-in Battery yet) , If power LED not lighted "Red" ,
 - a. Please confirm the AC power cord is well connected or not.
 - b. After check AC power cord is well & LED still not lighted "Red" , please send back to repair

When getting through AC power & the power LED lighted "Red" & plug-in Battery , if power LED is Blinking Red or Red, please check

- a. If the output plug is well connected or is it with reverse polarity?
Please confirm the connection of the connector.
 - b. If the battery is out of use? Please replace of the new battery
 - c. If the charger broken? Please send back to repair
- ◆ Please remove AC power and plug-in again if LED lighted Orange blinking. However, if the LED Orange blinking symptom was still occurred after doing charger reset, please return to the supplier.
 - ◆ Please avoid to plug in & out quickly in turns.

C. Attention :

1. The charger is designed for Li-ion battery only
 2. Please operate charger in an open area to keep good ventilation
 3. This charger is only for indoor used.
 4. If there is any problem, please return to local dealer or services center
- Do not try to open and repair the charger by yourself

D. Maintenance and Storage

1. Disconnect equipment from power supply before cleaning.
2. Do not expose your battery pack or cordless tools to water or rain, or allow them to get wet. This could damage the tool and battery pack. Do not use oil or solvents to clean or lubricate your battery charger.
3. Place out of reach of children.
4. Store in a dry place not subject to subzero temperatures which could cause the cord insulation to become stiff and possibly crack when uncoiled.



Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary. This product must not be disposed together with the domestic waste. This product has to be disposed at an authorized place for recycling of electrical and electronic appliances. By collecting and recycling waste, you help save natural resources, and make sure the product is disposed in an environmental friendly and healthy way.