



# Battery Charger for LiFePO4

# AD-LFP Series



AD-LFP-0624  
AD-LFP-1012



AD-LFP-1224  
AD-LFP-2012



AD-LFP-1548  
AD-LFP-3024  
AD-LFP-5012



## Features

- Microcontroller Integrated
- Designed for LiFePO4
- 3-Stage Charging + Soft Start
- Multiple Charging Current Options
- Intelligent Cooling Fan
- Multi Safety Protections:
  - Polarity Reverse / Short Circuit /
  - Overheat / Over Voltage / Over Current
- Aluminum Housing
- 100% Made in Taiwan

| Model                              | AD-0624                                     | AD-1012    | AD-1224                         | AD-2012    | AD-3024                             | AD-5012      | AD-1548      |
|------------------------------------|---------------------------------------------|------------|---------------------------------|------------|-------------------------------------|--------------|--------------|
| System                             |                                             |            |                                 |            |                                     |              |              |
| Output Power Max                   | 170W / 6A                                   | 145W / 10A | 340W / 12A                      | 280W / 20A | 850W / 30A                          | 720W / 50A   | 850W / 15A   |
| Output Voltage                     | 24V                                         | 12V        | 24V                             | 12V        | 24V                                 | 12V          | 48V          |
| Output Current Selections (By DIP) | -                                           |            | 6/12A                           | 10/20A     | 15/18/24/30A                        | 25/30/40/50A | 7.5/9/12/15A |
| Output USB Port                    | 5VDC, 2.1A                                  |            |                                 |            | -                                   |              |              |
| 3 Stage Charging + Soft Start      | Soft Start -> Bulk -> Absorption -> Cut-off |            |                                 |            |                                     |              |              |
| Battery Types                      | LiFePO4                                     |            |                                 |            |                                     |              |              |
| Recommended Battery Capacity       | 18~60Ah                                     | 30~100Ah   | 18~120Ah                        | 30~200Ah   | 45~300Ah                            | 75~500Ah     | 45~300Ah     |
| Input Voltage                      | 100/110/120 VAC; 220/230/240 VAC            |            |                                 |            |                                     |              |              |
| Input Frequency                    | 50~60Hz                                     |            |                                 |            |                                     |              |              |
| Input Socket                       | IEC Plug                                    |            |                                 |            |                                     |              |              |
| Efficiency                         | > 85% (At Full Load)                        |            |                                 |            |                                     |              |              |
| Protection                         |                                             |            |                                 |            |                                     |              |              |
| Output Polarity Reverse            | Fuse                                        |            | Circuit                         |            |                                     |              |              |
| Output Short Circuit               | Fuse                                        |            |                                 |            | Circuit                             |              |              |
| Output Overheat                    | Lower Output Current                        |            |                                 |            | YES                                 |              |              |
| Output Over Voltage                | YES                                         |            |                                 |            |                                     |              |              |
| Output Over Current                | YES                                         |            |                                 |            |                                     |              |              |
| Cooling                            | Intelligent Fan                             |            |                                 |            |                                     |              |              |
| Mechanical                         |                                             |            |                                 |            |                                     |              |              |
| Operating Temperature              | -10~50°C                                    |            |                                 |            |                                     |              |              |
| Storage Temperature                | -20~70°C                                    |            |                                 |            |                                     |              |              |
| Storage Humidity                   | 10~90%RH Non-Condensing                     |            |                                 |            |                                     |              |              |
| Accessory                          | AC Cable & DC Wire (Alligator Clip)         |            | AC Cable & DC Wire (Y Terminal) |            | AC Cable & DC Wire (Round Terminal) |              |              |
| Dimension (L x W x H)              | 170 x 72 x 58 mm                            |            | 220 x 112 x 66 mm               |            | 325 x 198 x 83 mm                   |              |              |
| Net Weight                         | 0.65 kg                                     |            | 0.99 kg                         |            | 2.8 kg                              |              |              |
| Note:                              |                                             |            |                                 |            |                                     |              |              |