



# Dual Battery Chargers

FOR LEAD-ACID & LITHIUM LiFePO<sub>4</sub> BATTERIES

## DC 1.0

12V  
1A



## DC 4.0

6/12V  
1/4A



**DIGITAL SCREEN**

6V	12V	1A	4A	STD	AGM	Li
						<b>88.8v</b>



[www.shido-batteries.com](http://www.shido-batteries.com)



Power sports, motorcycle and car applications

## Pro's DC 1.0 & DC 4.0

- ✓ Clear split between Lithium and lead-acid charging mode.
- ✓ Upgraded algorithm for both Lithium and lead-acid modes.
- ✓ Battery Recovery for deeply discharged batteries.
- ✓ Battery health check after charging.
- ✓ Maintaining mode, with 4 hour intervals voltage checks.
- ✓ Protected against reverse polarity, overcharging, overcurrent, overheating and short-circuits.
- ✓ User friendly detection for reverse polarity, low-voltage or damaged batteries
- ✓ IP 65, waterproof.
- ✓ Adjusts for varying A/C line voltage and delivers consistent charging current

## Extra's DC 4.0

- ✓ Specific AGM mode for sealed batteries
- ✓ Superb digital screen with live voltage reading
- ✓ Hook attachment
- ✓ Suitable for 6V and 12V batteries
- ✓ Choose between 1A and 4A

## Specifications DC 1.0

**BATTERY TYPE:** Lithium LiFePO4 , lead-acid: GEL, AGM, WET

**INPUT:** 220-240V AC 50-60Hz

**OUTPUT:** 12V 1A DC

**DIMENSIONS:** 180 x 80 x 40mm

**WEIGHT:** 0,4Kg

**IP RATING:** IP 65

**ACCU:** 2-40 Ah > Charge, 2 - 100 Ah > Maintenance

## Specifications DC 4.0

**BATTERY TYPE:** Lithium LiFePO4 , lead-acid: GEL, AGM, WET

**INPUT:** 220-240V AC 50-60Hz

**OUTPUT:** 6V or 12V 1A or 4A DC

**DIMENSIONS:** 210 x 87 x 50mm

**WEIGHT:** 0,6Kg

**IP RATING:** IP 65

**ACCU:** 4-80 Ah > Charge, 4 - 120 Ah > Maintenance

## 8-step charging lead-acid

- 1 Detection
- 2 Pulse (lead-acid)
- 3 Recovery
- 4 Bulk charge
- 5 Declining current
- 6 Absorption
- 7 Battery check
- 8 Floating (lead-acid)

## 7-step charging lithium

- 1 Detection
- 2 Recovery
- 3 Bulk charge
- 4 Declining current
- 5 Absorption
- 6 Battery check
- 7 Monitoring

LEAD-Acid Charging Algorithm



Lithium Charging Algorithm

