# WATERPROOF HIGH FREQUENCY CHARGER




- Made in Europe
- One profile : the correct charging curve is programmed in the factory and will avoid mistakes when assembled
- Compatible charge curve for mostly all standard batteries.
  **Version 'WET'** : compatible for the most Semi-Traction, Monoblocs and Deep-Cycles
  **Version 'AGM'** : compatible for all Lead Carbon ( DLC) and AGM ( DAB) batteries
  **Version 'GEL'**: compatible for all GEL (DGY) batteries
  **Version 'Li-Ion'**: compatible for all Li-Ion batteries
  **Other profiles possible on demand**
- Operating Temperature: from -30°C to +65°C
- Storage Temperature: from -40°C to +95°C
- Humidity: from 5% to 95%
- Altitude: up to 2000 mt
- Protection Grade: IP67
- V in = 180 - 264 V AC

*Inclusive:*

- Battery temperature sensor : the temperature of the battery will influence the charging curve and will increase the safety of the charging process and life time of the battery
- Remote charge indicator
- Interlock safety system : will prevent the vehicle from starting when the battery charger is still connected to the grid.

IP67

**IP67**

**On-board use**

**Safe and reliable**

**High efficiency**

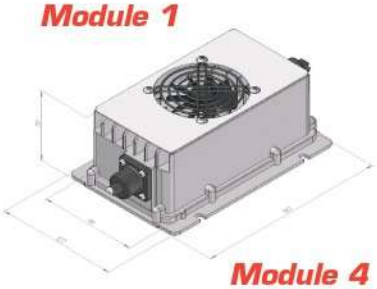
**Ideal for every battery**

**Low batteries**

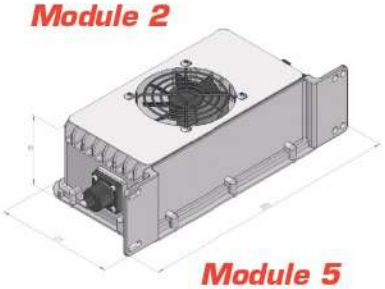
**Plug-n-play**

**PFC and Soft Start**

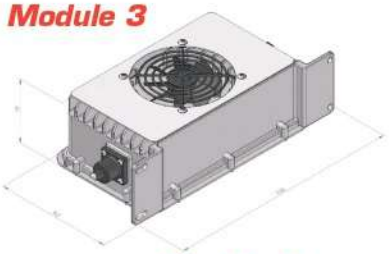
**Module 1**



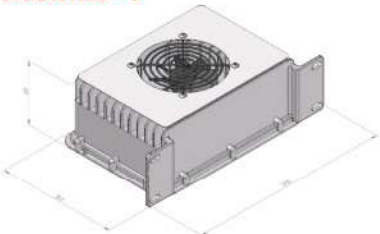
**Module 2**



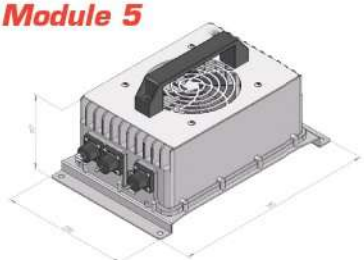
**Module 3**



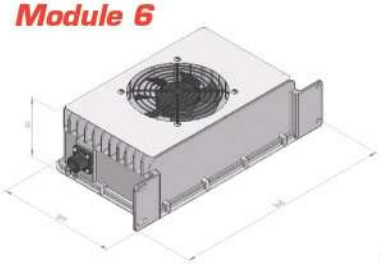
**Module 4**



**Module 5**



**Module 6**



# Models

AQ-TRON®

Every box of this series was specifically developped based on the control card that it will host to allow an optimal heat dissipation also in extremely hot and humid environments. Severe tests were applied to guarantee a long-lasting duration over time.

| Model | Voltage | Current | Power Supply | Battery Capacity Ah (C5) | | | Module | Dimensions (mm) |
|---|---|---|---|---|---|---|---|---|
| | | | Amp (A) | 8h | 10h | 12h | | |
| AQHF12-10 WP | 12 V | 10 A | 2 | 80 | 100 | 120 | 1 | 187 x 122 x 70 |
| AQHF12-15 WP | | 15 A | 2 | 120 | 150 | 180 | 1 | 187 x 122 x 70 |
| AQHF12-20 WP | | 20 A | 2 | 160 | 200 | 240 | 1 | 187 x 122 x 70 |
| AQHF12-25 WP | | 25 A | 2 | 200 | 250 | 300 | 2 | 210 x 128 x 79 |
| AQHF24-10 WP | 24 V | 10 A | 2 | 80 | 100 | 120 | 1 | 187 x 122 x 70 |
| AQHF24-15 WP | | 15 A | 2 | 120 | 150 | 180 | 1 | 187 x 122 x 70 |
| AQHF24-20 WP | | 20 A | 3 | 160 | 200 | 240 | 1 | 187 x 122 x 70 |
| AQHF24-25 WP | | 25 A | 3 | 200 | 250 | 300 | 2 | 210 x 128 x 79 |
| AQHF24-30 WP | | 30 A | 4 | 240 | 300 | 360 | 3 | 210 x 142 x 78 |
| AQHF24-35 WP | | 35 A | 4 | 280 | 350 | 420 | 4 | 210 x 168 x 88 |
| AQHF24-40 WP | | 40 A | 5 | 320 | 400 | 480 | 4 | 210 x 168 x 88 |
| AQHF24-50 WP | | 50 A | 6 | 400 | 500 | 600 | 4 | 210 x 168 x 88 |
| AQHF36-10 WP | 36 V | 10 A | 2 | 80 | 100 | 120 | 2 | 210 x 128 x 79 |
| AQHF36-15 WP | | 15 A | 2 | 120 | 150 | 180 | 2 | 210 x 128 x 79 |
| AQHF36-20 WP | | 20 A | 4 | 160 | 200 | 240 | 2 | 210 x 128 x 79 |
| AQHF36-25 WP | | 25 A | 5 | 200 | 250 | 300 | 2 | 210 x 128 x 79 |
| AQHF36-30 WP | | 30 A | 6 | 240 | 300 | 360 | 3 | 210 x 142 x 78 |
| AQHF36-50 WP | | 50 A | 9 | 400 | 500 | 600 | 5 | 315 x 200 x 117 |
| AQHF48-12 WP | 48 V | 12 A | 3 | 80 | 100 | 120 | 2 | 210 x 128 x 79 |
| AQHF48-15 WP | | 15 A | 4 | 120 | 150 | 180 | 2 | 210 x 128 x 79 |
| AQHF48-20 WP | | 20 A | 6 | 160 | 200 | 240 | 2 | 210 x 128 x 79 |
| AQHF48-25 WP | | 25 A | 8 | 200 | 250 | 300 | 2 | 210 x 128 x 79 |
| AQHF48-30 WP | | 30 A | 8 | 240 | 300 | 360 | 4 | 210 x 168 x 88 |
| AQHF48-35 WP | | 35 A | 10 | 280 | 350 | 420 | 4 | 210 x 168 x 88 |
| AQHF48-40 WP | | 40 A | 10 | 320 | 400 | 480 | 5 | 315 x 200 x 117 |
| AQHF48-50 WP | | 50 A | 12 | 400 | 500 | 600 | 5 | 315 x 200 x 117 |
| AQHF72-10 WP | 72 V | 10 A | 4 | 80 | 100 | 120 | 2 | 210 x 128 x 79 |
| AQHF72-15 WP | | 15 A | 6 | 120 | 150 | 180 | 2 | 210 x 128 x 79 |
| AQHF72-20 WP | | 20 A | 8 | 160 | 200 | 240 | 3 | 210 x 142 x 78 |
| AQHF72-25 WP | | 25 A | 8 | 200 | 250 | 300 | 4 | 210 x 168 x 88 |
| AQHF72-30 WP | | 30 A | 11 | 240 | 300 | 360 | 5 | 315 x 200 x 117 |
| AQHF72-35 WP | | 35 A | 13 | 280 | 350 | 420 | 6 | 348 x 189 x 94 |

Each type available with AGM, WET, GEL or Lithium profile. Other profiles possible on demand. If you wish to order a charger with a specific profile, you can put "AGM", "WET", "GEL" of "LFP" behind the reference. Example: AQHF48-25 WP AGM.