



# AM-2

## ELECTRIC

## CATALOGUE 2023

ELECTRIC AM-2



Powered by  **ADVEO**  
ELECTRIC KART ENGINEERING

MORE THAN A KART

# “Feel the electric power”

The launch of the Electric AM2 model represents a **new technological advance in the electric rental kart industry worldwide.**

We are sure that it will transform the experience and perception of amateur and expert pilots with respect to electric karts, because:

- The AM2 has been designed and created to be **the best electric kart in the world.**
- This model is equipped with an **innovative electric propulsion system** that derives directly from electric competition vehicles thanks to the experience in the sector possessed by both of the companies, Play and Drive and ADVEO, in charge of its development.

This powertrain **enables breakneck speeds and extraordinary charging times never seen before.** By choosing the V2 speed motor map, sufficient for 90% of the European tracks, we obtain a regeneration ratio of 50% compared to the time used in what it would take for the next group of pilots to put on the suit, helmet and attend the briefing!

Putting it in perspective for the ones who like numbers; at standard power **it recharges 100% of the energy used after racing in a 10 minute stint, in just 5 minutes!**

“Designed and created to be the best electric kart in the world”





**“The Am-2  
transforms  
the experience  
and perception  
of electric rental  
karts to a higher  
level”**

The AM2 provides **3 different engine profiles** that are very easy for the staff to choose from before the race starts. V1 or “safety”, as the name suggests, is dedicated for less experienced drivers. V2 or “standard” possesses the best compromise between delivered power vs. autonomy. V3 or “explosive” **unleashes the beast and even smashes the times of a 390cc combustion engine... We challenge you to give it a try!**

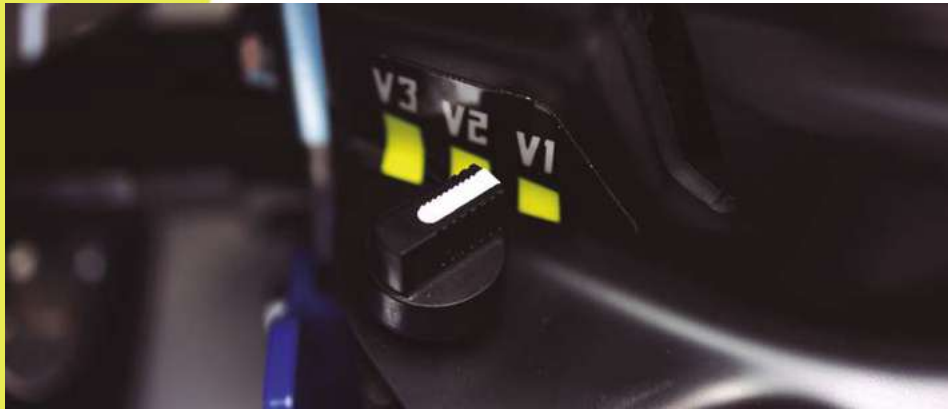
And let’s talk about another strong point, the chassis. All the tubes employed are made of a new light and ultra resistant Cr-Mo alloy and are cut and bent fully automatically under strict standards from the automotive world. Still, **we pride ourselves on maintaining the human touch in the welding process and extensive quality control of every chassis we build.**

After optimizing the exterior design and working with light materials, **we have achieved a weight that can vary between 180kg and 185kg, depending on the selected extras.** Obviously, lower weight translates into lower consumption, tire wear, better handling and a lower impact forces in case of an accident, which are already extraordinary here.

In terms of safety, **the kart is equipped with the best shock absorption systems on the market**, roll bars, seat belts, protective pieces against dangerous bits and electrical protection systems.

Long story short, **the fully electric AM2 is an extremely reliable and easy-to- maintain kart, efficient, safe, easy to drive and just looks astonishingly good.** For us, those are the 6 key factors that a rental kart should incorporate to increase your revenue and profits of the circuit.

**This is undoubtedly the best tool for professionals.**



ADJUSTABLE PEDALS (100 MM)



# ELECTRIC MAIN DATA

## LITHIUM BATTERY PACK:

- Capacity: **4,3kW.h (100Ah)**
- Max Voltage: **49V**
- Max current: **250A**
- Durability: **Up to 90.000 min. with V2 profile**
- Cooling: **Forced ventilation**
- Safety: **Fuse, charging contactor, discharging contactor**
- BMS includes: **Under-over voltage protection, over-current protection, over-temperature protection, balancing and other functionalities**

## MOTOR

- Continuous Power: **14 HP** ▪ Max Speed: **4000 rpm**
- Max torque: **80 N.m**
- IP grade: **IP65**

## CHARGER:

- Output current: **140A @49V**
- Input power: **8 kW – 3 phase + Earth**

## OTHER DETAILS:

- **3 drive profiles**
- Max speed: **(85km/h) depending on gear ratio**
- Wireless forced functions: **STOP and SPEED LIMIT (EXTRA)**
- Charging time: **50% Discharge time (V2 profile)**

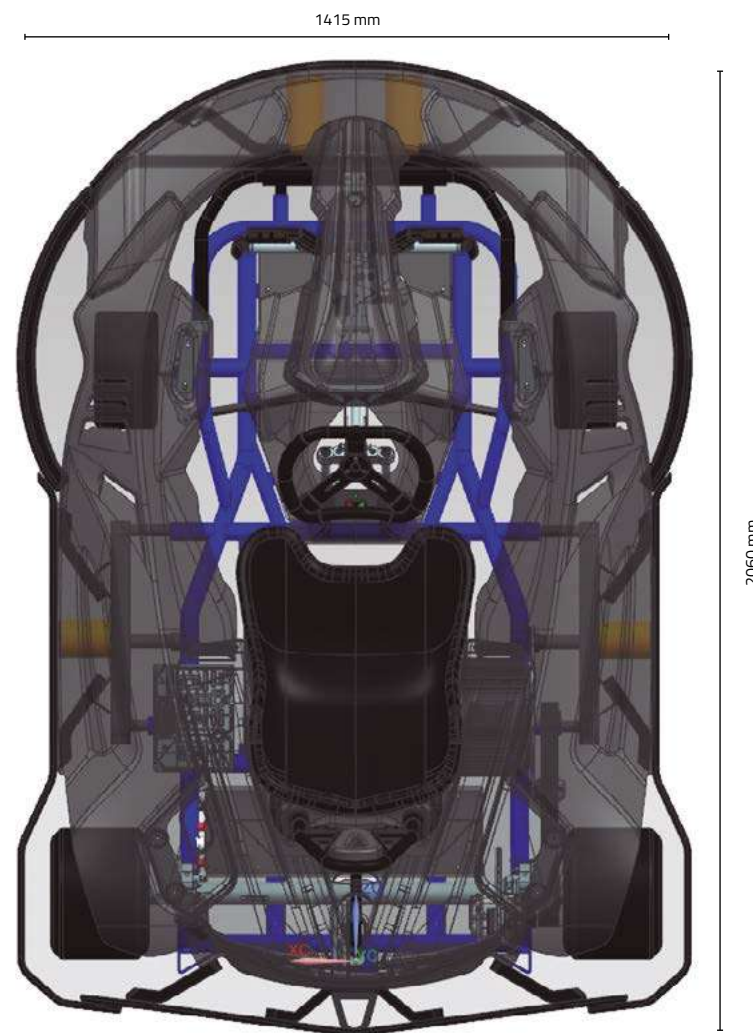


# TECHNICAL SPECS

|                                  |                                      |
|----------------------------------|--------------------------------------|
| Length                           | 2060 mm                              |
| Width                            | 1415 mm                              |
| Height                           | 600 mm                               |
| Height with Roll Bar             | 980 mm                               |
| Full weight                      | 180 Kg                               |
| Rear Axle                        | D50mm x 2mm HARD                     |
| Brake                            | Hydraulic with 4 pistons             |
| Brake disk                       | 200x18mm Self-ventilated             |
| Diameter of tube                 | 40x2mm & 32x2mm Cr-Mo                |
| Steering wheel                   | 340mm                                |
| Tyres                            | BEBA eVersion (10x4.50-5//11x7.10-5) |
| Electronic Anti Gas-Brake System | Yes                                  |
| Adjustable Pedals                | Yes                                  |
| Adjustable seat                  | No                                   |
| Adjustable steering wheel        | No                                   |
| Brake Light                      | Yes                                  |

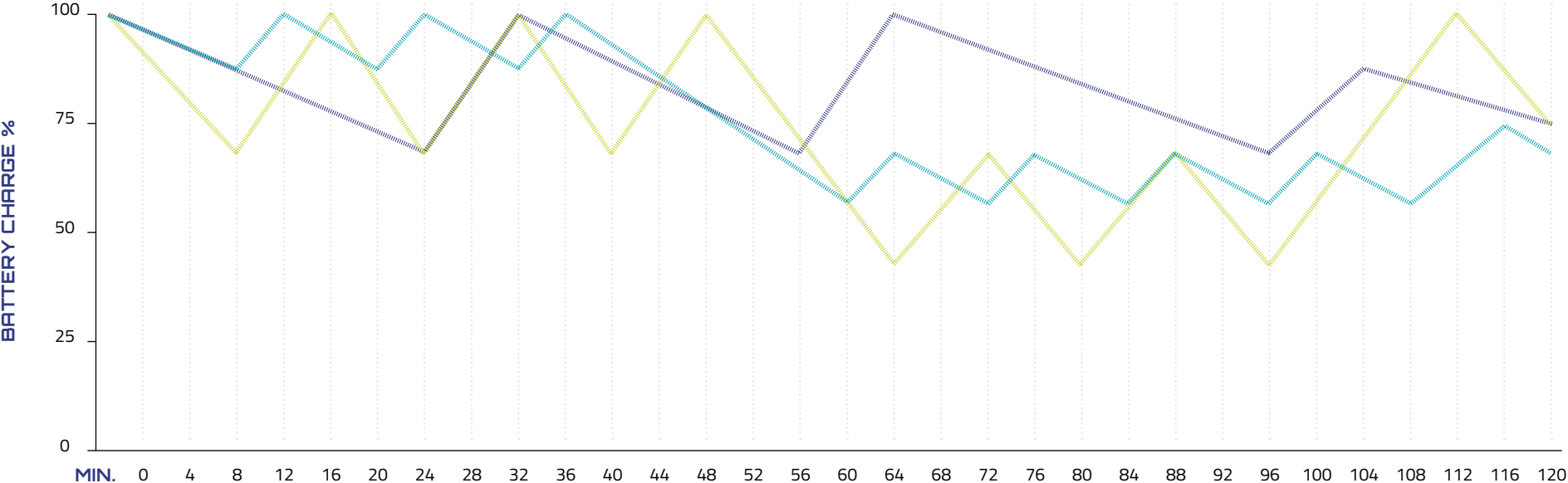


Shock absorption system designed, developed and manufactured by BRBkarts

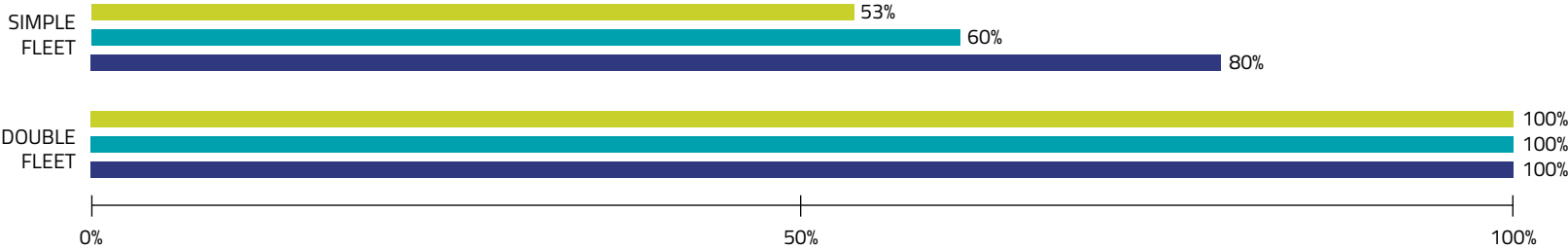


# Battery consumption graph

This graph is an example of battery consumption **during 2 hours of work**, in different speed modes. The "Y" axis shows the battery charge level and the "X" axis shows the minutes. In this case, we have chosen to carry out 8-minute track time. **When the line goes down it means that the kart is on the track and when it is going up it is in the pits charging batteries.** One of the positives facts to note is that in V2 (standard) mode, you can perform 3 consecutive track runs and continue working with charges of only 4 minutes



## EFFECTIVE TIME OF THE KART ON TRACK



\*These tables are approximate, they may vary depending on each circuit, types of driving and configuration of the kart.





# CUSTOMIZE YOUR AM2

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## SEATS

| OP. 1.1        | OP. 1.2          | OP. 1.3          | OP. 1.4           |
|----------------|------------------|------------------|-------------------|
| TILLET Seat XL | TILLET Seat XL   | TILLET Seat XL   | TILLET Seat XL    |
| VACUUM         | VACUUM 1/4 COVER | VACUUM 1/2 COVER | VACUUM FULL COVER |



+0€

+45€

+75€

+75€

## STICKER KIT

| OP. 2.1      | OP. 2.2       | OP. 2.3         |
|--------------|---------------|-----------------|
| KIT AM2 BLUE | KIT AM2 BLACK | CUSTOM STICKERS |



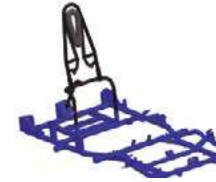
+0€

+0€

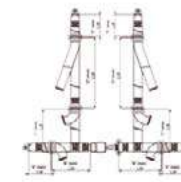
+30€

## SAFETY

| OP. 3.1  | OP. 3.2                  |
|----------|--------------------------|
| ROLL BAR | ROLL BAR & SECURITY BELT |
|          | 4 POINTS                 |



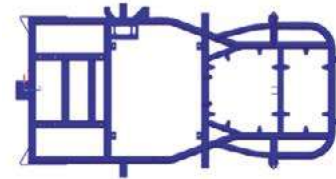
+200€



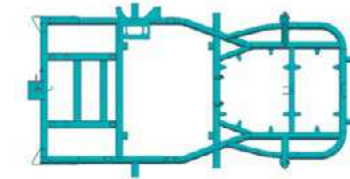
+320€

## CHASSIS

| OP. 4.1 | OP. 4.2 |
|---------|---------|
| BLUE    | OTHERS  |



+0€



+30€

## SHUT OFF TRANSPONDER

| OP. 5.1              | OP. 5.2        |
|----------------------|----------------|
| SHUT OFF TRANSPONDER | REMOTE CONTROL |



+196€



+695€

## PROTECTIONS

OP. 6.1

DISC PROTECTION + PULLEY/CHAIN PROTECTION



+30€

## WEIGHT

OP. 7.1

LEAD SUPPORT KIT



+40€

OP. 7.2

LEAD BOX

4KG + 8KG



+95€



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