

## BB Shuttle



- Eco-friendly! 100% electric, no CO2 emission
- The vehicle is eligible (in accordance with local regulations) for incentives, free access to restricted traffic areas, tax exemption, etc.
- Range unloaded up to 118 Km
- Safe and comfortable cabin with ABS thermoformed shell and excellent visibility

| <b>LOADING DETAILS</b>     |          |  |
|----------------------------|----------|--|
| Transportation capacity    | 6 people | 4+1 people in case of wheel-chair option |
| Loading capacity (luggage) | 360 Kg   |  |

| <b>DIMENSION AND CHARACTERISTICS</b>    |          |                                    |
|---|----------|------------------------------------|
| Length                                  | 4.000 mm |                                    |
| Width                                   | 1.200 mm |                                    |
| Height                                  | 2.080 mm |                                    |
| Axle spacing                            | 2.070 mm |                                    |
| Weight (empty vehicle in running order) | 1.370 Kg |                                    |
| Weight (full mass in running order)     | 2.000 Kg | 2.450 Kg including towing capacity |
| Collision-proof frame structure         | Included | Strong, solid and corrosion proof. |
| Structure in steel cataphoresis         | Optional | Strong, solid and corrosion proof. |

| <b>ENGINE &amp; BATTERY</b>            |                             |   |
|--|-----------------------------|---|
| Electric engine                        | AC                          | With controller, no maintenance                           |
| Power                                  | 72 V / 9 KW<br>(15KW peak)  | Dimensioned for maximum load.<br>Protected battery space. |
| Electronic control drive               | Included                    | Controller with vector algorithm                          |
| Controller std output power            | 300 A                       |   |
| Maximum speed                          | 40 Km/h                     |   |
| Range unloaded                         | Up to 118 Km                | *see notes below  |
| Battery                                | 72V                         | AGM (Lead sealed) – no refilling needed                   |
| Battery capacity / Energy accumulation | 225Ah/16,2 KWh              | 335Ah/24,1 KWh Optional                                   |
| Lead acid battery                      | Optional                    |   |
| Lithium battery                        | Optional                    |   |
| Auxiliary battery                      | Nr 1 x 12V                  | Service, lights, instruments                              |
| Engine Brake with energy recover       | Included                    |   |
| Traction                               | Rear                        |   |
| Maximum slope                          | 15%                         | Full loaded   |
| Battery charger                        | 230V - 16 A<br>1PH 50/60 Hz | Automatic control, high frequency w.PFC                   |
| Battery recharging time                | 8 hours                     |   |

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| <b>STEERING</b>                         |          |  |
|---|----------|--|
| <b>Rack steering</b>                    | Included |  |
| <b>Height adjustable steering wheel</b> | Included |  |
| <b>External steering radius</b>         | 3.970 mm |  |

| <b>TYRES, SUSPENSIONS AND BRAKES</b> |                    |  |
|--------------------------------------|--------------------|--|
| <b>Tyres 145 R 13</b>                | Included           |  |
| <b>Tyres 165/70 R 13</b>             | Optional           | Available also M+S                           |
| <b>Front suspension</b>              | Independent wheels | Mac Phersons and hydraulic shock absorber    |
| <b>Rear suspension</b>               | Crossbows          | With hydraulic shock absorber                |
| <b>Front brakes</b>                  | Disk brakes        | Dual hydraulic circuits for enhanced safety. |
| <b>Rear brakes</b>                   | Drum brakes        |  |
| <b>Hand brake</b>                    | Included           |  |
| <b>Energy-saving brake system</b>    | Included           | High efficiency and perfect maneuverability  |

| <b>OTHER CHARACTERISTICS (European Directives 2007/46 e 2002/24)</b> |              |  |
|--|--------------|--|
| <b>Doors with windows</b>  | Equipment N1 | ABS/Glass  |
| <b>Seat belts</b>  | Equipment N1 | Three-point seat belts   |
| <b>Seats with headrest</b>   | Included     | Mounted on sliding bars  |
| <b>Seat with sensor driving safety</b>                               | Included     |  |
| <b>External rear view mirrors</b>                                    | Equipment N1 | Left and right   |
| <b>Key switch and steering lock</b>                                  | Included     |  |
| <b>Compartment for objects</b>                                       | Included     |  |
| <b>Electric windscreen wiper</b>                                     | Included     |  |
| <b>Screenwash</b>  | Included     |  |
| <b>Horn</b>  | Included     |  |
| <b>Acoustic signalling (reverse way)</b>                             | Optional     |  |
| <b>Dashboard display</b>   | Included     | Speed, remaining battery life, charge and hours-counter indication |
| <b>Deep discharge protection</b>                                     | Included     |  |
| <b>Webasto heating with thermostat</b>                               | Equipment N1 | Electric heating on demand   |
| <b>Additional 12V socket</b>   | Included     |  |
| <b>Front, rear and signalling lights</b>                             | Included     | According to N1 standard   |
| <b>Rear stop and fog lights</b>                                      | Included     | According to N1 standard   |
| <b>Towbar</b>  | Optional     | 450Kg homologated (3000Kg private area)                            |
| <b>Bull-bar front protection</b>                                     | Optional     |  |
| <b>Flashing lights</b>   | Optional     |  |
| <b>Webasto electric heater</b>                                       | Optional     |  |
| <b>Fluorescent side bands kit</b>                                    | Optional     |  |
| <b>Radio and speakers</b>  | Optional     |  |
| <b>Sliding passengers door</b>                                       | Optional     | Sideways sliding   |
| <b>Crane for disabled housing</b>                                    | Optional     |  |
| <b>N.2 sunroofs</b>  | Optional     |  |

\* The real distance per charge of the battery depends on several factors including the total load transported, the average speed, path, driving behavior, the ambient temperature, the power consumption of any configuration, etc.. Depending on the application, some tests may be necessary to determine the actual need of energy.

All information are regularly reviewed and subject to change without notice. This is not to be intended as contractual documentation.

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