

BSR2.0
ELECTRIC POWER

25kW

RACING KART



ELECTRIC KART POWER UNIT GUIDE



BSR 2.0 ELECTRIC RACING KART POWER UNIT 1,5 kW **BAMBINO**

AGE	4-7
ELECTRIC POWER	PMAC 1,5kW brushless motor with air cooling
SPEED & ACCELERATION	Max speed up to 45km/h (limited by software)
RACING TIME	With full power 30+ min Battery replacement time 30 sec

POWER UNIT STARTING AT	1800 EUR
FULL KART STARTING AT	3300 EUR



BSR 2.0 ELECTRIC RACING KART POWER UNIT 7 kW **MICRO**

AGE	6-11
ELECTRIC POWER	PMAC 7kW brushless motor with air cooling
SPEED & ACCELERATION	Max speed up to 90 km/h (adjustable) Max RPM 3200 / max torque 30 Nm (instant)
RACING TIME	With full power 15 min Battery replacement time 30 sec

POWER UNIT STARTING AT	3800 EUR
FULL KART STARTING AT	5800 EUR



BSR 2.0 ELECTRIC RACING KART POWER UNIT 18 kW **JUNIOR**

AGE	11-15
ELECTRIC POWER	PMAC 18kW brushless motor with air cooling
SPEED & ACCELERATION	Max speed up to 110 km/h (adjustable) Max RPM 3200 / max torque 40 Nm (instant)
RACING TIME	With full power 15 min Battery replacement time 2 min

POWER UNIT STARTING AT	5800 EUR
FULL KART STARTING AT	8300 EUR



BSR 2.0 ELECTRIC RACING KART POWER UNIT 25 kW **SENIOR**

AGE	15+
ELECTRIC POWER	PMAC 25kW brushless motor with air cooling
SPEED & ACCELERATION	Max speed up to 120 km/h (adjustable) Max RPM 4200 / max torque 100 Nm (instant)
RACING TIME	With full power 15 min Battery replacement time 2 min

POWER UNIT STARTING AT	7800 EUR
FULL KART STARTING AT	10800 EUR



BSR 2.0 ELECTRIC RACING KART POWER UNIT 25+ kW **SENIOR**

AGE	15+
ELECTRIC POWER	PMAC 29kW brushless motor with air cooling
SPEED & ACCELERATION	Max speed up to 135km/h (adjustable) Max RPM 4200 / Max torque 120 Nm (instant)
RACING TIME	With full power 10+ min Battery replacement time 2 min

POWER UNIT STARTING AT	9800 EUR
FULL KART STARTING AT	12800 EUR



SPECIFICATION

Chassis:	BSR/BirelArt CRY 32-S14 OK or KZ 2022
Body:	Standart Birel Art CRY32-S14 bodywork
Seat:	Freeline Kart Components (Size 1;1+; 2; 3; 4)
Steering wheel:	BSR/320mm
Battery:	56Ah/96V Li-Ion (autonomy 15 min)
QSB:	Quick swap system (replace in less than 2 min)
Power:	25kW (Limited by software)
Top speed:	Up to 120 km/h
Acceleration:	0-100km/h in ~4 seconds
Charger:	AC/DC 3,0kW (110-240V)
Brakes:	Full brakes or rear brakes only (depending on chassis)
Transmission:	Chain 428 (14/26T)
Rims:	Alloy (standard)
Kart weight:	110kg (without tires)



Base price included : 1x Fully-assembled chassis with 25kW power unit (with rear brakes)
1x Battery 56Ah/96V
1x Battery Charger 3kW
1x Standard BSR sticker set

Extra features:

25+kW version:	29kW version (faster acceleration and higher top speed)
Full brakes:	Chassis with full brakes
Race ready kart:	Kart with already mounted tires
Stickers:	Custom stickers
Tools:	A toolbox for kart maintenance
BSR merchandise:	Beach flags, kart mats, hats, jackets, t-shirts, polo shirts, kart trolley.

POWER DATA

- Motor power:** 25kW (33.5Hp)
- Motor torque:** 100Nm
- Rear-axle torque:** 171.0 Nm
- Gear ratio:** 1:1.7 (14T/24T/428)
- Motor RPM:** 4200 RPM
- Top speed:** Up to 120 km/h
- Acceleration:** 0-100km/h in ~4 sec.
- Throttle:** Hall sensor (durable)
- Cooling:** Air (Aluminium radiator)
- Battery:** Li-Ion with BMS and physical fuse protection
- Driving range:** 15 min. (real-life test results)
- Charger:** AC(90-240V) to DC (48V)
- Charging time:** 30-60 min. (20%-80%)
- Warranty:** 1 year unlimited driving hours
- IP level:** 64



Included in power unit:

ELECTRIC MOTOR, CONTROLLER, BATTERY, MOUNTING PARTS, BOLTS, INSTALLATION INSTRUCTION

BATTERY



- Quick swap system, replace it in less than 2 min.
- 1x BMS and physical fuse protection
- Air cooling (Aluminum radiators)
- Capacity 56Ah
- Discharge peak 300A (continuous 250A)
- Charging power 3kW (30A/96V)
- Weight 32kg
- 1-year unlimited cycle warranty
- Maintenance service after the warranty time

MOTOR

- PMAC brushless motor
- Continuous power 25kW
- Air cooling (aluminum radiator)
- Operating voltage 96V
- RPM max 4200
- Motor efficiency 92%
- 1-year unlimited warranty
- Maintenance service after the warranty time



CHARGER



- Charging voltage 96V (nominal)
- AC to DC with all types of AC plugs
- Charging power 30A
- Air cooling (aluminum radiator)
- Weight 6,2kg
- 100% Automated system
- 1-year unlimited warranty
- Maintenance service after the warranty time

25+ kW VERSION

- More powerful 29kW (39Hp)
- Better acceleration
- TOP speed 135km/h
- Similar performance to ROTAX DD2 and IAME X30
- 3 months unlimited warranty
- Driving range 10+ min.



MORE INFO

BSR 2.0 Power Units are designed so that they can be quickly and efficiently installed on any chassis instead of the standard internal combustion engine within 10-15 minutes without additional equipment and knowledge. All that must be taken into account is the location of fastening and the dimensions of the components. Fastenings are designed so that they can be adapted to different chassis. It is possible to develop specific fastenings on request.

OTHER OPTIONS

1,5kW



BABY

7kW



KIDS

18kW



JUNIOR