

1/8th Electric 4wd Rules

| Item | | Limit | Specification |
|---------------|------------------------|-----------|---------------|
| Length (B) | | Maximum | 730mm |
| | | Minimum | |
| Width | | Maximum | 310mm |
| Wheelbase (A) | | Maximum | 330mm |
| | | Minimum | 270mm |
| Weight | | 4wd class | Minimum |
| Wheels | Mounting bead diameter | Maximum | 83.50mm |
| | | Minimum | 79.00mm |
| | Overall diameter | Maximum | 88.50mm |
| | Width | Maximum | 44.45mm |
| Tires | Diameter | Minimum | 109.22mm |
| | | Maximum | 119.38mm |
| | Width | Minimum | 40.00mm |
| | | Maximum | 46.99mm |
| Wing | Chord | Maximum | 77.00mm |
| | Side dam length | Maximum | 92.07mm |
| | Side dam height | Maximum | 60.33mm |
| | Width | Maximum | 217mm |

Tire rules:

Rubber only - Cutting or modifying the tread is allowed. Modifying the tire carcass is prohibited (i.e. no "CUT" tires - whether they started as a standard tire or not).

No quick change tires/wheels allowed.

Wheels:

No cut or modified wheels (cut and shut wheels or wheel extensions are not allowed)

Chassis:

No cut or modified chassis components (cut and shut chassis length is not allowed)

Batteries:

Recommended: ROAR approved batteries/packs

A maximum nominal voltage of 14.80v may be used, which can be comprised of either:

A single 4 cell 14.8v Lipo pack (14.8v ROAR lipo pack rules pending), or two (2) 7.4v ROAR approved Lipo packs connected in series.

Or a single 14.4v pack made of twelve (12) ROAR approved NiMH cells, or two six (6) cell 7.2v packs made of ROAR approved Lipo packs connected in series.

Tech will be required to check Lipo pack voltage before each race, with the maximum allowable voltage being 16.88v. Temperature may also be checked before each race to ensure stable condition.

All procedures and penalties from (Overcharging) will apply to this class with the only exception being the above difference in maximum voltage.

Transmission:

Singe speed transmissions only

Suspension:

Independent

Body Style:

Buggy or other off-road style body that resembles an actual off-road racing buggy type vehicle.

Race length:

At race director discretion - recommended 7 minute qualifiers and 20 minute A-main

Pit stops made for changing battery packs during heats/mains are NOT allowed.