

RC Sand Drag Association Sanctioned Event Rules

Dec 1, 2023

2wd RTR	4wd 4s	6S
2wd 2s	Nitro	8s
2wd 3s Modified	Super Pro 4s	Psycho
4wd super Stock		

All Large Scale fuel powered cars must have a remote ignition kill system.

The use of systems such as gyros, TSM and AVC are not allowed in any classes.

All cars are required to have a body that covers the battery.

The race director has final say in any questioned situation.

2wd RTR

BATTERY: Any 2S standard or LiHV pack available over the counter or mail order. 8.7v max. non-hardwired (must have plug connection)

Drive: 2wd (same axle) Must run a transmission.

CHASSIS: 1/10th scale RTR stock short course or buggy chassis 13.5in max wheelbase.

SUSPENSION: 4 wheel with functional shocks all 4 corners.

Wheels: Any tire and rim combination. Max diameter 5in max, width 2.125in.

All tires must be made of a pliable material. No use of hard plastic or metal type of materials

Motor/ ESC: Any 1/10th scale RTR motor/ ESC combination that comes stock in any 10th scale RTR rc car.

Any body and wheelie bar combination allowed.

2wd 2s

BATTERY: Any 2S standard or LiHV pack available over the counter or mail order. 8.7v max. non-hardwired (must have plug connection)

Drive: 2wd (same axle) Must run a transmission.

CHASSIS: Any 1/10th scale short course based or buggy based chassis 13.5in max wheelbase.

SUSPENSION: 4 wheel with functional shocks all 4 corners.

Wheel: Any tire and rim combination. Max diameter 5in, max width 2.125in.

All tires must be made of a pliable material. No use of hard plastic or metal type of materials

Any single motor, esc, body and wheelie bar combination allowed.

2wd 3s Modified

BATTERY: Any 2S or 3S standard or LiHV pack available over the counter or mail order. 13.05v max. non-hardwired (must have plug connection).

Drive: 2wd (same axle) Must run a transmission.

CHASSIS: 1/10th scale short course or buggy chassis. Wheelbase min of 13.5in to a max of 24in at full suspension droop.

SUSPENSION: 4 wheel with functional shocks all 4 corners.

Wheels: Any tire and rim combination. **Max diameter 5.5in, max width of 3.25in.**

All tires must be made of a pliable material. No use of hard plastic or metal type of materials

Any single motor, esc, body and wheelie bar combination allowed.

4wd 4s

BATTERY: Any single or combined up to 4s standard or LiHV pack available over the counter or mail order. 17.4v max. non-hardwired (must have plug connection).

Drive: 4wd

CHASSIS: UP to 1/8th scale stock based chassis.

SUSPENSION: 4 wheel with functional shocks in all 4 corners.

Wheels: Any tire and rim combination. **Max diameter 7.25in, max width 3.5in.**

All tires must be made of a pliable material. No use of hard plastic or metal type of materials

Any single motor, esc, body and wheelie bar combination allowed.

Nitro

Power: Any fuel powered engine from .18cc to .32cc displacement.

Fuel: Nitro or Gasoline.

Drive: 2wd or 4wd

CHASSIS: UP to 1/8th scale stock based chassis.

SUSPENSION: 4 wheel with functional shocks in all 4 corners.

Wheels: Any tire and rim combination. **Max diameter 7.25in, max width 3.5in.**

All tires must be made of a pliable material. No use of hard plastic or metal type of materials

Any body and wheelie bar combination allowed.

Super Pro 4S

BATTERY: Any single or combined up to 4s standard or LiHV pack available over the counter or mail order. 17.4v max. non-hardwired (must have plug connection).

Drive: 2wd or 4wd.

Axle: Rear maybe either independent or straight axle.

Axle Front: 2wd or 4wd must have suspension with a left and right functioning shock.

CHASSIS: Stock or custom up to 1/8 scale based chassis.

Wheel Base: up to 24" at full suspension droop.

SUSPENSION: rear suspension not required, front suspension with functional shocks required.

Wheels: Any tire and rim combination. Max diameter 7.25in, max width 3.5in.

All tires must be made of a pliable material. No use of hard plastic or metal type of materials

Any single motor, esc, body and wheelie bar combination allowed.

4wd Super Stock:

Power: Electric or fuel

BATTERY: Any single or combined up to 4s standard or LiHV pack available over the counter or mail order. 17.4v max. non-hardwired (must have plug connection).

Motor / ESC: Any single motor/ esc combination

Fuel: Nitro or Gasoline.

Any fuel powered engine from .18cc to .32cc displacement.

Drive: 4wd

CHASSIS: 1/10th or 1/8th scale stock off-road based chassis.

SUSPENSION: 4 wheel with functional shocks in all 4 corners.

Wheel Base: up to 15"

Wheels: Any tire and rim combination. Max diameter 7.25in, max width 3.5in.

All tires must be made of a pliable material. No use of hard plastic or metal type of materials

Any body and wheelie bar combination allowed.

6S

BATTERY: Any single or combined 6s standard or LiHV pack available over the counter or mail order. 26.1v max. non-hardwired (must have plug connection).

Drive: 2wd or 4wd

CHASSIS: 1/7th – 1/5th scale based chassis.

Wheels: Any tire and rim combination allowed. Max diameter 9.0in, max width 4.25in.

All tires must be made of a soft pliable material. No use of hard plastic or metal type of materials.

Any single cylinder engine, motor, esc, body and wheelie bar combination allowed.

8S

BATTERY: Any single or combined 8s standard or LiHV pack available over the counter or mail order. 34.8v max. non-hardwired (must have plug connection).

Drive: 2wd or 4wd

CHASSIS: 1/7th – 1/5th scale based chassis.

Wheels: Any tire and rim combination allowed. ***Max diameter 9.0in, max width 4.25in.***

All tires must be made of a soft pliable material. No use of hard plastic or metal type of materials

Any single cylinder engine, motor, esc, body and wheelie bar combination allowed.

Psycho

Any Combination of power, chassis, wheel, drive type, body, wing or wheelie bar with a combined max weight of 40lbs.

Race Format:

Best of 3: Racers must win 2 out of 3 races to advance. Once an initial race lane is determined. Racers will alternate lanes until a winner is determined. Winners will advance to the next round.

Single Elimination: Winner of race advances to next round. Loser of race is eliminated.

Racing with Timing System: The timing system shall determine the start of the race, staging, red lights etc. The timing system shall determine the crossing of the finish line of the race. A race official shall determine any race infractions and the winner of the race. The timing tree can be used in sportsman, pro or instant green.

Racing without Timing System: A starting line official shall control staging and the start light of the race. A finish line official shall determine the crossing of the finish line. A race official shall determine any race infractions and the winner of the race. Race official controlled slow-motion video is required to support the start and finish of the race. If a race official is unable to determine the start, finish, or race infraction the race will be rerun. No unofficial video shall be used to determine the start, finish, or race infraction of the race in question.

Race Rules:

The race winner is the driver of the car that contacts the finish line first without red lighting, committing a lane infraction or race class infraction.

A racer must attempt to cross finish line in order to win race. This is a first is worse format. If neither racer crosses the finish line and neither racer commits a race infraction. The racer who travels the furthest from the start line is the winner.

A racer can also lose a race by Red light, lane infraction or race class infraction.

Red light with the timing system:

Once both racers are staged, contacting start beam prior to green light on. Racer must be ready for green light once both racers are staged.

Red Light without timing system:

Any forward movement of the race car including "tire crack" prior to start light coming on. Racer must be ready for start light once both racers are staged.

lane infraction is contacting or crossing center line, contacting side wall or any part of the track timing system.

Best of 3:

During the 2 out of 3 race. A racer is allowed 1min to make adjustments to the car or radio once both cars have returned to the staging area.

No replacement of parts, tires or batteries allowed during the 2 out of 3 race.

No recharging of batteries during the 2 out of 3 race.

Race Event:

All Events sanctioned by RC Sand Drag Racing Association shall be required when announcing or promoting of the event to notify racers of:

Race class or classes

The race format

Type of timing system, starting light being used and track length.

Multiple entries: If an event allows multiple entries, the racer may race the same car in multiple entries or have a separate car per entry. If a racer has a separate car per entry the racer must maintain separate cars for the duration of the event. In the event a driver must race themselves in the same race, the racer must choose which entry position is the winner and which entry position is eliminated.

A racer is not allowed to switch cars between entries or with another racer.

A racer can switch parts between entries or with another racer in the event of a failure.

Chassis replacement must be approved by the race director.

No test hits allowed once racing has started.

Track Requirements:**Standard Track:**

Race Lane Length: 66ft

Race Lane width: 8 ft min

Shut down length: 90ft min

Side walls must be sufficient to contain race vehicles on the track. Center line must have indicators. Safety barriers to aid in the safety of racer pit and spectators access areas are required.

Large Scale Track:

Race Lane Lenth: 132 ft

Race Lane width: 12 ft min

Shut down length: 90 ft min

Side walls must be sufficient to contain race vehicles on the track. Center line must have indicators. Safety barriers to aid in the safety of racer pit and spectators access areas are required.

These rules are subject to change by RCSDA