

PEP 2025 Information

[Rule book Link](#)

Major Rules

Requirements

- Distance: 2 miles
- Maximum Voltage: 55 V
- Maximum Amp-Hours: 500 Ah
- Emergency Shut Off
- Secured Batteries
- Maximum 5 minutes at the ramp
- ½ in. rope connection for towing

Optional

- Carry a 30 lb OR 60 lb payload
- Best Propeller design
- Using OPTIMA Battery

Deadlines

Scores	Completion Date	Possible Points
Bonus: Mid-Year Review	Feb. 10, 2025	3
White Paper	Mar. 25, 2025	20
Video Presentation	Mar. 25, 2025	20
Demo Video (200m/2 min. Operation)	Apr. 1, 2025	N/A
Race Performance	Apr. 15-17, 2025	60
Bonus (Unmanned): 60 lb payload	Apr. 15-17, 2025	5
	Total Possible Points	108

Revision #1

Created 6 May 2026 00:23:52 by Caicheng Li

Updated 6 May 2026 00:24:04 by Caicheng Li