



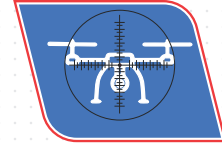
ELECTRO-OPTIC



SIGINT



RADIO COMMUNICATION



C-UAS



PEL's **Sanjay Series** of Heavy Duty Electro-mechanical Telescopic masts are self supported, vehicle mounted masts. The masts are elevated/ retracted by a Lead Screw (Spindle) which in turn is powered by an electric motor Ideally suited to lift multiple payloads requiring tactical elevation from a vehicular platform.

## OUR USP's



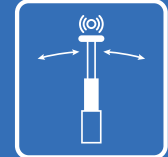
Designed for MIL STDs



Remote Control Elevation & Retraction



Suitable for On-the-Quick-Halt Vehicular Operations



High stability and Rigidity for Mission Critical Applications

### Silent Features

- Heavy duty construction - tubes in high strength Aluminum Alloy
- Telescopic mast sections extended by screw drive and high performance belts Suitable for deployment on vehicles, shelters or trailers
- Full length key-ways ensure anti-rotation
- Heights up to 12 metres
- Top loads up to 350kg
- Push-button motorized deployment in tactical time frames
- Excellent solution for On the Quick Halt applications
- Suitable for deployment on vehicles, shelters or trailers



Control Box



Mast Sections



Motor Assembly

3+ Types of Electromechanical Mast Developed

15+ Years of Experience

20+ Production Capacity per Month

AS 9100D:2016 Quality Certified  
ISO 9001:2015 Manufacturing



# TECHNICAL SPECIFICATIONS

## ELECTROMECHANICAL MASTS (HYBRID SPINDLE)

Model No.	Height (m)		Head Load (Kg)	Wind Area (m <sup>2</sup> )	Wind Speed (Operational/ Survival) (kmph)	Sway	Weight of Mast (Kg)	No. of Sections	Tube Dia
	Retracted	Erected							
PH350P-6.5-1.6M-10	1.6	6.5	350	1	80/ 100	< 1°	160	7	130 - 214
PH214-8-1.6M-10	1.6	8	150	1	80/ 100	< 1°	165	9	110 - 214
PH214-8-2.1M-10	2.1	8	150	1	80/ 100	< 1°	160	7	120 - 198
PH214-10-2.3M-10	2.3	10	150	1	80/ 100	< 2°	180	7	120 - 198
PH214-12-2.3M-10	2.3	12	150	1	80/ 100	< 2°	200	8	120 - 214

**Note:**

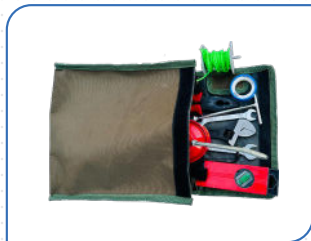
- a. Mast can be customized for wind load > 80 Km/Hr
- b. Accessories weight is applicable as per the height of the mast

S.No.	PARAMETER	SPECIFICATIONS
1	Operating Voltage	230V/50Hz
2	Drive	Single or Three Phase AC Motor
3	Operation	Control Panel and Pendant
4	Operational(Temp)	-20°C to +60°C
5	Environmental	MIL STD 810 F/G

### STANDARD ACCESSORIES & TOOL KIT



Hand Held Pendant



Tools

### PAYLOAD ADAPTER (OPTIONAL)

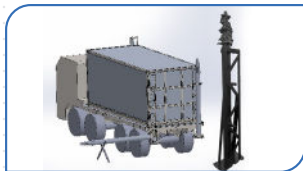


Circular Heavy Duty Bracket

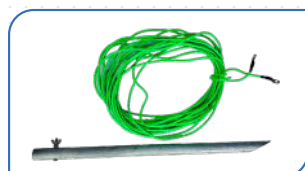


Heavy Duty Payload

### SPECIAL ACCESSORIES (OPTIONAL)



Vehicle Mounting Brackets



Earthing Kit : Pipe & Cable

### ANCILLARY



Rotator (100kg)



Pan-Tilt (50kg)



Multi Function Active Junction Box

