

XX Pol Twin Beam Panel Antenna 2×1710-2690MHz 32° 20dBi 2-12°Replaceable RET**Electrical Specifications**

Frequency Range (MHz):	2×1710-2690(Y1,Y2)				
	1710-1880	1880-2025	2025-2170	2300-2500	2500-2690
Gain (dBi):	18.3±0.5	18.6±0.5	18.6±0.5	19.3±0.5	19.6±0.5
Return Loss (dB):	>14(VSWR<1.5)				
Polarization:	±45°				
Horizontal 3dB Beamwidth (°):	41	39	37	31	29
Horizontal Beam Pointing (°):	-31, +31	-31, +31	-31, +31	-31, +31	-32, +32
Vertical 3dBBeamwidth (°):	8.2	7.4	7.1	6.2	5.7
Electrical Downtilt (°):	2-12 Independently Continuously Adjustable				
1 st Upper Sidelobe Suppression(dB):	15				
CPR at Boresight(dB):	18	18	18	18	18
Front to Back Ratio(dB):	28	28	26	25	25
Polarizations Isolation(dB) :	>28				
Interband Isolation (dB):	>25				
Intermodulation IM3 (dBc):	<-150 (2×43 dBm)				
Impedance (ohm):	50				
Max. Power Per Port (W):	200				
Lightning Protection:	DC Grounded				
Connector Type:	4×4.3-10 Female				

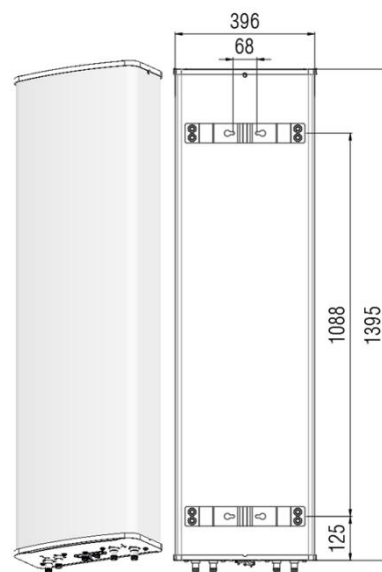
BASTA Electrical Specification

Frequency Range(MHz):	1710-2690(Y1,Y2)				
	1710-1880	1880-2025	2025-2170	2300-2500	2500-2690
Average Gain by all Beam Tilts(dBi):	18.2	18.4	18.4	18.9	19.3
Gain by all Beam Tilts Tolerance(dB):	±0.4	±0.4	±0.6	±0.8	±0.8
Average Gain by Beam Tilt (dBi):	2° 183	2° 185	2° 186	2° 193	2° 196
	7° 182	7° 186	7° 186	7° 191	7° 195
	12° 180	12° 182	12° 180	12° 183	12° 187
3dBHorizontal Beamwidth Tolerance(°):	±2.4	±2.0	±3.1	±2.2	±2.0
3dBVertical Beamwidth Tolerance(°):	±0.6	±0.5	±0.5	±0.6	±0.6
1 st Upper SidelobeSuppression (dB):	15	13	14	13	13
Front to back Total Power at 180° ± 30°(dB):	28	28	26	24	24
CPR at Boresight(dB):	24	22	22	22	21

2LPX210P-E2-C

Mechanical Data

Antenna Dimensions (mm):	1395×396×190
Packing Dimensions (mm):	1655×480×280
Antenna Net Weight/Bracket (kg):	18/5.9
Antenna Gross Weight (kg):	27.5
Radome Material:	Fiberglass
Pipe OD (mm):	50-115
Mounting Kits (Included):	BA.K.04.00069131, Adjustable Downtilt 0°-16°



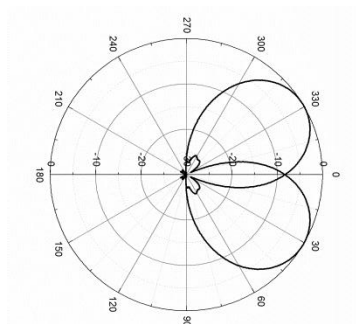
Environmental Ratings

Humidity:	95%RH@+30℃
Temperature (℃) :	-40~+70
Wind Load @150 km/h (N):	Frontal/Lateral/Rearside: 614/174/807
Max. Wind velocity (km/h):	200

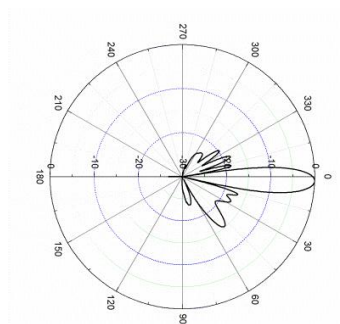
Internal RET Specifications

RET type:	Replaceable RET
RET protocol:	AISG2.0 /3GPP
Input voltage range(V):	10-30 DC
Power consumption(W):	< 5 (motor activated, single RET) < 1 (stand by, single RET), < 1.5 (stand by, 12V)
Adjustment time (full range) (s):	< 120 (typically, depending on antenna type)
RET connector:	1 pair of AISG 5 pin male & female
Pin assignment according AISG:	8-pin circular connector conforming to IEC 60130-9 - Ed. 3.0
Lightning protection (kA):	5 (8/20 μs Differential mode), 8 (8/20 μs Common mode)

Typical Patterns

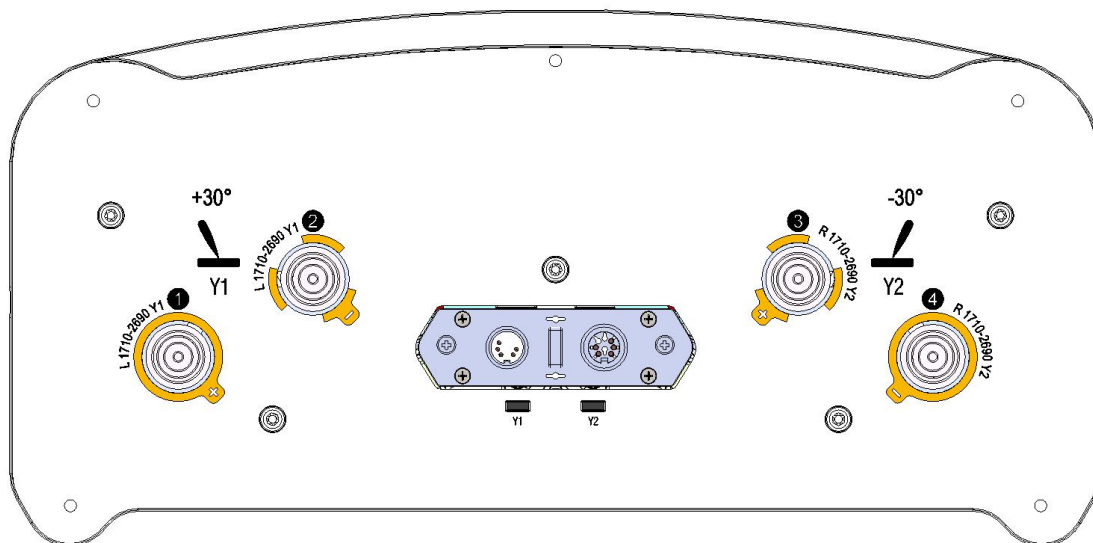


Azimuth



Elevation

Bottom View



Correlation Table

Frequency range	Array	Connector	RET S/N
1710–2690 MHz	Y1	1-2	BRxxx.....Y1
1710–2690 MHz	Y2	3-4	BRxxx.....Y2

