

MGP-4 Series

UHF Mini Grid-Packs

Point-to-Point STL Link

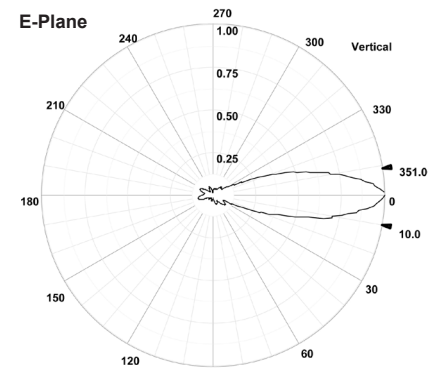
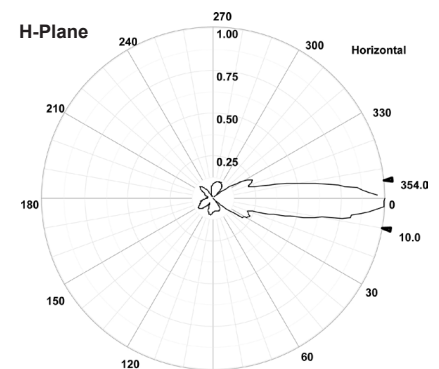
The MGP series of UHF mini grid-packs provide an exceptionally broad bandwidth with a highly directional narrow radiation pattern with minimal side lobes.

This makes a grid-pack the best choice for use as a point-to-point STL broadcast studio to transmitter link.

Coaxial feeder cable, connectors and other installation accessories are all available separately.



Specifications	MGP-4650N	MGP-4750N	MGP-4850N
Construction	Corrosion resistant aluminium rear screen and launcher		
Frequency range	570-670MHz	700-820MHz	820-960MHz
Bandwidth	Full band	Full band	Full band
Return loss, VSWR	Better than -15dB, 1.5:1 across full band		
Tuning	Factory	Factory	Factory
Gain (mid band)	14.8 dBi	16.6 dBi	18.5 dBi
H Plane	22°	19°	16°
E Plane	23°	22°	20°
Front-to-back ratio	18 dB	20 dB	22 dB
Maximum power	100 Watts	100 Watts	100 Watts
Impedance	50 Ohms	50 Ohms	50 Ohms
DC grounding	Yes	Yes	Yes
Polarisation	Mount horizontal or vertical as required		
Cable tail	400mm RU400 low loss - bottom exit of launcher		
Connector	N-type female fitted to cable tail		
Dish dimensions	1.2 metres x 1.3 metres - assembled		
Weight	12.5kg	12.5kg	12.5kg
Projected area	0.245m ²	0.245m ²	0.245m ²
Wind load at 160kph	29.673kg, 0.291kN		
Mounting hardware	2 x U-bolts, 50-75mm capability - supplied		
Warranty	2 Years	2 Years	2 Years



Sample patterns at 850 MHz