

PU25-XX

Positioning Unit – Medium Payload

The **Positioning Unit (PU25)** is part of the product line of “Smart” positioning units with significantly more capable than basic pan and tilt units. These advanced designs embed powerful micro-processor controllers, which can be effortlessly programmed to adjust limits of motion, speed, and azimuth/elevation positions.

No calibration or homing cycle is required for startup and ideal for hostile environments.

The positioning unit is made of an aluminum housing and drive train is made of stainless steel (coated worm and self-aligning). The unit is IP66, gasketed and sealed, equipped with heavy duty feedback potentiometers, backlash adjustable to 0.1.

The positioning units includes internal heater, and marine coating.








In addition to our original PU-25 (25lbs), BATS now offers heavyweight payload products supporting a range of radio and antenna weights from 50 to 500 lbs.



Product Specifications

LOAD CAPACITY	25lbs (15kg)
SIZE	11.3" (H) X 10.8" (W) X 6.3" (D)
RANGE	Pan: +/-217° Tilt: +/-60°
SPEED	Pan: 0.7° to 23.0°/sec. Tilt: 1.0° to 11.0°/sec.
ENVIRONMENTAL	IP66, Salt, Fog
OPERATING TEMPERATURE	-30°C to 60°C

Positioning Unit – Medium Payload | Product Components with Rack Mount

RMCU-2500	Rack Mount Control Unit AC Only		BATS Indoor Rack Mount Control Unit; AC Power Only (110 – 265 vAC); No POE;
BTS-PU25-HD	BATS Positioning Unit		Marine Grade 25 lb. Payload Positioning Unit
BTS-AMB-UNI	BATS Universal Antenna Mounting Bracket		Universal Antenna Mounting Bracket for Panel / Parabolic Grid Antennas
BTS-BKT-PM	BATS PU-25-HD Pole Mounting Bracket		Mounting Bracket and Hardware to append Positioning Unit to Mast.
BTS-GS-2500	BATS GPS Stabilizer		GPS Stabilization Unit. Includes; BATS Pole Mounting Bracket, 2 x GPS Antenna, 2 x GPS Antenna Cable, GPS Stabilization Heading Unit, GPS Power Control Cable
BTS-C100-STD	100' Positioning Unit Control Cable		100' Marine Grade Power Control Cable with Military Spec Connectors
Broadband Ethernet Radio	Customer Supplied		The BATS System is Radio Agnostic and can be configured to integrate with the customers current Broadband Ethernet Radio platform.








BATS engineers continuously strive to improve all aspects of our products. All specifications are subject to change without notice.



Positioning Unit – Medium Payload | Product Components with Hardened Control Unit

PU25-XX
HC

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HCU-9000	Hardened Control Unit		<p>ENVIRONMENTAL IP66, Salt Fog</p> <p>PHYSICAL DIMENSIONS 6" (H) x 10.5" (W) x 9" (D)</p> <p>WEIGHT 15 lbs.</p> <p>OPERATING TEMPERATURE -20°C to 60°C Optional -40°C to 65°C</p> <p>OPERATING VOLTAGE AC: 90-265VAC 47-63Hz DC: 10.5-34.5VDC POWER with/Auto Sense</p> <p>CONSUMPTION 150 Watts Nominal, with POE Option: 200 Watts</p>
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