



PU-12M7

The PU-12M7 is a battery command and control post, designed to automate control of air defense systems on the move and at halt for repelling enemy air attacks.

The PU-12M7 can provide automated control of up to:

- Strela-10M2 and Strela-10M3 SAM system's combat vehicles (CV);
- Osa-AK (AKM) SAM system's CV;
- Tor-M1 (Tor-M2E) SAM system's CV;
- Tunguska-M1 SP anti-aircraft gun/missile system's CV;
- Igla MANPADS;
- ZSU-23-4M4 (Shilka) and ZU-23 self-propelled (SP) anti-aircraft systems after modernization.

Tasks:

- provides interface with a radar, processes and transmits digital data on the air situation;
- controls weapon systems while on the move or at halt by providing them with target designation data, cease-fire commands, and alerts of targets taken for engagement by neighboring surface-to-air missile systems;
- determines the current position of the C2 post on the move using a built-in navigation and positioning system;
- gathers and displays information on the status of controlled combat vehicles and available ammunition loads, helping the commanding officers objectively assess the progress of operations;
- establishes communication links using:
 1. five VHF and HF radios and two radio receivers;
 2. five telephone lines with the superior command post and controlled assets.

The PU-12M7's automation, communication, and data transfer equipment is based on advanced circuit components and features high reliability.

Main characteristics:

- Targets received from external sources: ± 400
- Simultaneously tracked targets: ± 120
- Radar data sources connected at once:
 - primary (radars with analog output signal): 1
 - secondary (higher command post and radars with coded output signal): 8
- Target coordinates measurement envelope, km: ± 200



- Target data limits:
 - altitude, km: ± 51
 - speed, m/s: ± 2550
- Data transmission range, radio link / field cable, km: $\pm 40/\pm 15$
- Communication range, km: ± 5
- Continuous operation time, h : 24
- Weight, kg: ± 13200
- Dimensions (length x width x height), mm: 7700 x 2900 x 2630
- Fuel range, hard road/ soil road, km: 600 / 500
- Speed, km/h:
 - max road speed: 80
 - average cross-country speed: 40
 - max water speed: 9





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