MP Bicycle
Crew: 1
Length: 2.0m
Width: .4m
Height: .8 - 1.1m (variable)
Ground Clearance: .4m
Turning Radius: 2.0m
Max. Road Speed: 6-25KPH (variable)
Fording Depth: .3m
Climb Gradient: 30%
Vertical Obstacle: .3m
Trench: .5m
Armament: None.
Weight: 15.90 kg

Equipment:
Battery Charger, M-1CBR kit, charger rack for AN-PRC68, helmet, goggles, gloves, equipment rack, packs and straps for personal equipment, tool kit, gear lube, carry ruck sack, compass. Outrigger wheels, for cart conversion. Maintenance and repair manual, spare chain and gears, extra cables for brakes, gears etc.

Features:
--Folds to backpack size for airdrops without extensive rigging like motor vehicles require.
--Can give personnel 100+ mile/day, 20+mph X-country mobility NOW without more airlift aircraft.
--Requires no fuel tankers to run
--"Fat" tires for low ground pressures over soft terrain; 21-speeds gearing for efficient propulsion, automatic bicycle transmission.
--Costs less than $500 each
--Weighs less than 30 pounds
--Cannot have flat tires: has solid foam-filled inner tubes w/cushions
--Moves the MP member load for less water, food and energy cost
--Doesn't emit large heat, noise, dust signatures; quiet/stealthy
--Can be easily carried intact or in a folded state across obstacles, in air/sea craft, armored vehicles
--Simple, rugged construction needing little maintenance

Rationale:
Militarized, folding ATB-mobile unit could:
--Strategic, long-range parachute assault/airland into drop zones outside of enemy air defense weapons coverage and storm the objective horizontally via ATB mobility to hit the enemy from unexpected vertical and horizontal axises.
--Move over 100 miles/day under its own power using its organic, limited motor transport to carry heavy weapons, comm gear, ammo while troops move using folding ATBs carried with them.
--Rapidly position/re-position units to any spot on the rapidly changing Air/land battlefield without outside motor transport/extensive fuel, oil logistics support; ATB organic mobility allows more space for light armor and artillery to be lifted in sooner, creating stronger combined arms task forces.
--Perform Recon & Security missions by quickly moving from the DZ to screening positions, road blocks, locate enemy forces, disrupt/provide early warning faster and at a greater distance than foot-only travel.
--Have Mobile reserves to rapidly exploit success, reinforce or block the enemy.
--Stay on the move, crossing rough terrain without extensive combat engineering keeping pressure on heavier enemy units, using the terrain to make it hard for his armor, artillery, NBC weapons etc.

--Mis-delivered units/men can rapidly report to headquarters and air-dropped supplies can be rapidly distributed to fighting units like the Vietnamese did through the Ho Chi Minh trail; up to 500 pounds of supplies per bike.
--Have more mobile RATELOs/messengers who could use ATBs to carry heavy comm gear, even using pedal power to recharge batteries; make contact with advancing ground units.
--Patrol country/city streets/roads too narrow for HMMWVs; MP units could control riots/looters by surprise with ATB silence.