

SPECIFICATIONS

Mechanical Characteristics

Dimensions (H x W x D):	3.7 x 16.2 x 7.7 in. (94 x 412 x 196 mm)
Weight:	9.5 lb (4.3 kg)
Operating Temperature Range:	+32 to +122°F (0 to +50°C)

Electrical Characteristics

Input Voltage:	100-130 VAC, 50/60 Hz
Charge Rate:	600 mA ±5%
Recharge Time:	Approximately 3.5 hours

SIX-UNIT CHARGER FOR OPENSky® P-801T AND P-800 PORTABLES



The Six-Unit Charger is a battery charger, battery analyzer, and battery conditioner for Nickel Cadmium (NiCd) and Nickel Metal

Hydride (NiMH) batteries for M/A-COM OpenSky portable radios. This charger is capable of charging up to six battery packs at one time in approximately 3.5 hours. The Six-Unit Charger maximizes the efficiency of operations by simplifying battery-charging routines. The charger maintains the battery's fully charged state until it is removed from the battery adapter. The battery analyzer function measures and displays the battery pack capacity. The condition function performs charge-discharge cycles to eliminate "memory" and restore capacity to maximum potential. The condition function also initiates new batteries for maximum performance. The charger may be located on a desk or other flat surface.

SIX-UNIT CHARGER

P-801T and P-800MAHROS0035

MULTI-UNIT RAPID CHARGER



The Multi-Unit Rapid Charger is designed to charge Nickel Cadmium (NiCd) and Nickel Metal Hydride (NiMH) batteries for M/A-COM portable radios. The unit allows charging of the battery with or without the

portable attached. This rapid charger is capable of charging up to six NiCd battery packs in approximately 1 hour or six NiMH battery packs in approximately 2 hours. The Multi-Unit Rapid Charger uses interchangeable battery sleeves, which allow different battery pack families to be charged at the same time.

The Multi-Unit Rapid Charger maximizes the efficiency of operations by simplifying battery-charging routines. The charger may be powered by either a 120 or 230 VAC power source, which is selected automatically. Two LEDs signal charging status and indicate when full charge is completed. Additionally, the charger signals defective battery or charger to avoid unsafe operation. The charger may be located on a desk or other flat surface or be mounted on a wall.

MULTI-UNIT RAPID CHARGERS

P7100 ^{IP}	HTCH9A
Jaguar 700Pi and 700P	HACH9A
LPE-200.....	H9CH7U
M-RK and Aegis M-RK	PKCH7P

SPECIFICATIONS

Mechanical Characteristics

Dimensions (H x W x D):	4.6 x 12.4 x 18.2 in. (117 x 315 x 461 mm)
Weight:	17.2 lb (7.8 kg)
Operating Temperature Range:	+41 to +104°F (+5 to +40°C)

Electrical Characteristics

Voltage Source Autoselect Switching Power Supply):	
120 Volt Range:	96-144 VAC, 50/60 Hz
230 Volt Range:	176-264 VAC, 50/60 Hz
Power Consumption:	170 Watts
Charge Current:	1.7A
Recharge Time:	
NiCd:	Approximately 1 hour
NiMH:	Approximately 2 hours

SPECIFICATIONS

Mechanical Characteristics

Dimensions (H x W x D): 2.17 x 4.125 x 5.31 in.
(55 x 105 x 135 mm)

Weight: 6.3 oz (180g)

Electrical Characteristics

Input Voltage: 120 VAC, 60 Hz only

Charge Rate: 1000 mA

Recharge Time: Approximately 2 hours



SINGLE-UNIT RAPID CHARGER FOR OPENSKY® P-801T AND P-800 PORTABLES

The Single-Unit Rapid Charger is designed to charge Nickel Cadmium (NiCd) and Nickel Metal Hydride (NiMH) batteries for M/A-COM OpenSky portable radios. This unit allows charging of the battery with or without the portable attached. Its easy-to-use design allows for charging by simply sliding the battery pack into the charging slot. To protect against reduced battery pack life caused by excessive charging, the unit automatically switches to trickle charge after the battery is fully charged. Its dual-color indicator informs of the current charging status. The charger is capable of controlled charging most battery packs in 2 hours. The charger may be placed on a desk or other flat surface.

SINGLE-UNIT RAPID CHARGER

P-801T and P-800MAHROS0015

RAPID DESK CHARGER



The Rapid Desk Charger is designed to charge Nickel Cadmium (NiCd) and Nickel Metal Hydride (NiMH) batteries for M/A-COM portable radios. The unit allows charging of the battery with or without the

portable attached. This charger is available with one or more interchangeable battery sleeves specifically designed for a particular radio or series of radios. The charger has a built-in power supply and plugs directly into a 120 or 230 VAC power source, which is selected automatically. It is capable of controlled charging NiCd battery packs in approximately 1 hour and NiMH battery packs in approximately 2 hours. Two LEDs signal charging status and indicate when full charge is completed. The charger may be placed on a desk or other flat surface.

RAPID DESK CHARGERS

P7100 ^{IP}	HTCH9E
Jaguar 700Pi and 700P	HACH9E
LPE-200	H9CH7T
M-RK and Aegis M-RK	PKCH7N

COMPACT RAPID DESK CHARGER FOR EDACS® 300P



The Compact Rapid Desk Charger is designed to charge high capacity and extra high capacity Nickel Cadmium (NiCd) batteries for EDACS 300P portable radios. The unit allows charging of the battery with or without the portable attached. The charger is powered by a 120 or 230 VAC power source. It is capable of charging NiCd battery packs in approximately 1 hour. Two LEDs signal charging status and indicate when full charge is completed. The charger may be placed on a desk or other flat surface.

COMPACT RAPID DESK CHARGER FOR EDACS 300P

120 VAC	KDCH9B
230 VAC	KDCH9C

SPECIFICATIONS

Mechanical Characteristics

Dimensions (H x W x D):	4.4 x 5.3 x 6.6 in. (112 x 118.5 x 168 mm)
Weight:	2.0 lb (0.91 kg)
Operating Temperature Range:	+41 to +104°F (+5 to +40°C)

Electrical Characteristics

Voltage Source (Autoselect Switching Power Supply):	
120 Volt Range:	96-144 VAC, 50/60 Hz
230 Volt Range:	176-264 VAC, 50/60 Hz
Power Consumption:	33 Watts
Recharge Time:	
NiCd:	Approximately 1 hour
NiMH:	Approximately 2 hours

SPECIFICATIONS

Mechanical Characteristics

Dimensions (H x W x D):	
Compact Rapid Charger Power Supply Unit:	1.4 x 2.4 x 4.3 in. (35 x 60 x 110 mm)
Compact Rapid Charger Base Unit:	2.28 x 4.02 x 4.92 in. (58 x 102 x 125 mm)
Weight:	
Compact Rapid Charger Power Supply Unit:	9.5 oz (268g)
Compact Rapid Charger Base Unit:	5.25 oz (150g)
Operating Temperature Range:	+32 to +113°F (0 to +45°C)

Electrical Characteristics

Voltage Source:	120/240 VAC ± 10%, 50/60 Hz
Power Consumption:	30 Watts
Recharge Time:	Approximately 1 hour

SPECIFICATIONS

Mechanical Characteristics

Dimensions (H x W x D): 7.6 x 7.1 x 2.3 in.
(194 x 180 x 58.5 mm)

Typical Recharge Times:

1200 mAh Battery Pack: 1 hour
1700 mAh Battery Pack: 1 hour, 30 minutes

Temperature Limits:

Charging: +32 to +113°F
(0 to +45°C)
Operating: -22 to +140
(-30 to +60°C)

Electrical Characteristics

Nominal Input Voltage: 13.8 VDC ±20%

Maximum Current Drains:

Off: 5 mA
On and Not Charging: 100 mA

Charge Currents:

Fast Charge: 1.5 and 0.75A
Trickle Charge: 75 mA

VEHICULAR CHARGER



The Vehicular Charger is a vehicle-mounted battery charger that supports standard or extra high capacity Nickel Cadmium portable radio batteries. The charger provides microprocessor controlled charging

for long battery life and maximum battery performance. An automatic restart feature allows the charger to maintain battery capacity at 75%. By constantly monitoring the battery while it is in the charger, the automatic restart feature detects when the battery falls below 75% capacity and starts charging the battery. Protective circuitry prevents damage to the battery resulting from charging batteries that are not within the required temperature or voltage range. The charge rate may be adjusted through dipswitch configuration to allow a dual charge rate.

Two LEDs signal charging status and indicate when full charge is completed. The LEDs also indicate fault conditions such as shorted cell, battery too hot/cold, and defective battery. A positive latch ensures that the radio is securely in place while it is in the charger. The radio quick release button disengages the radio from the charger for fast removal. Versatile mounting options allow the charger to fit different vehicle mounting requirements.

VEHICULAR CHARGERS

The Vehicular Charger includes the vehicular charger, mounting bracket and cables, and manual.

Jaguar 700Pi and 700P	H2VP5E
LPE-200	H2VP7E
M-RK and Aegis M-RK.....	H2VP5E



ENHANCED VEHICULAR CHARGER

The Enhanced Vehicular Charger is a vehicle-mounted device that provides the portable radio user with features similar to that of a mobile radio. In addition, the

Enhanced Vehicular Charger includes a battery charger that supports standard and high capacity portable radio batteries.

When the portable radio is inserted and engaged in the Enhanced Vehicular Charger, an electrical interface is established through the portable Universal Device Connector (UDC). This interface provides the following functions: external mobile microphone, external antenna, and an amplified (10W) external speaker. Some portable radio applications, when engaged in the Enhanced Vehicular Charger, allow for external control of the portable radio via fixed mount or hand held control unit. Full radio display and keypad functionality are available from the control unit or Hand Held Controller.

The battery charger supports standard and extra high capacity Nickel Cadmium portable radio batteries. The charger provides micro-processor controlled charging for long battery life and maximum battery performance. An automatic restart feature constantly monitors the battery while it is in the charger and will start charging the battery as soon as it falls below 75% of capacity. Protective circuitry prevents damage to the battery resulting from charging batteries that are not within the required temperature or voltage range. The charge rate may be adjusted through dipswitch configuration to allow a dual charge rate.

Three LEDs signal charging status and indicate when full charge is completed. The LEDs also indicate fault conditions such as shorted cell, battery too hot/cold, and defective battery. A positive latch ensures that the radio is securely in place while it is in the charger. The radio quick release button disengages the radio from the charger for fast removal. Versatile mounting options allow the charger to easily fit different vehicle mounting requirements.

ENHANCED VEHICULAR CHARGERS

The Enhanced Vehicular Charger includes the vehicular charger, mounting bracket and cables, mic with switchhook, mic hanger kit, speaker, and manuals.

Jaguar 700Pi and 700P	H2VPEE
LPE-200	H2VP6E
M-RK and Aegis M-RK	H2VP4E

SPECIFICATIONS

Mechanical Characteristics

Dimensions (H x W x D): 7.6 x 7.1 x 2.3 in.
(194 x 180 x 58.5 mm)

Typical Recharge Times:
1200 mAh Battery Pack: 1 hour
1700 mAh Battery Pack: 1 hour, 30 minutes

Temperature Limits:
Charging: +32 to +113°F
(0 to +45°C)
Operating: -22 to +140°F
(-30 to +60°C)

Electrical Characteristics

Nominal Input Voltage: 13.8 VDC ±20%

Maximum Current Drains:
Off: 5 mA
On and Not Charging: 100 mA

Charge Currents:
Fast Charge: 1.5 and 0.75A
Trickle Charge: 75 mA

External Speaker:
Rated Audio Power Output: 10 Watts
Impedance: 4 ohm load
Maximum Audio Distortion: Less than 5.0%
Frequency Response: 300 Hz to 3000 Hz

SPECIFICATIONS

Mechanical Characteristics

Dimensions (H x W x D): 7.6 x 7.1 x 2.3 in.
(194 x 180 x 58.5 mm)

Typical Recharge Times:
1200 mAh Battery Pack: 1 hour
1700 mAh Battery Pack: 1 hour, 30 minutes

Temperature Limits:
Charging: +32 to +113°F
(0 to +45°C)
Operating: -22 to +140°F
(-30 to +60°C)

Electrical Characteristics

Nominal Input Voltage: 13.8 VDC ±20%

Maximum Current Drains:
Off: 5 mA
On and Not Charging: 100 mA

Charge Currents:
Fast Charge: 1.5 and 0.75A
Trickle Charge: 75 mA

**DUAL POSITION
VEHICULAR
CHARGER**



The Dual Position Vehicular Charger is a vehicle-mounted battery charger that supports standard or extra high capacity Nickel Cadmium portable radio batteries.

The Dual Position Vehicular Charger is identical to the Vehicular Charger with the exception of the inclusion of a second set of charging contacts. If the portable radio has the special compatible speaker mic affixed, the second set of contacts engages to allow the user to charge the portable radio battery without removing the speaker mic. If the speaker mic is not in place, the charger operates exactly as the Vehicular Charger.

The charger provides microprocessor controlled charging for long battery life and maximum battery performance. An automatic restart feature allows the charger to maintain battery capacity at 75%. By constantly monitoring the battery while it is in the charger, the automatic restart feature detects when the battery falls below 75% capacity and starts charging the battery. Protective circuitry prevents damage to the battery resulting from charging batteries that are not within the required temperature or voltage range. The charge rate may be adjusted through dipswitch configuration to allow a dual charge rate.

Two LEDs signal charging status and indicate when full charge is completed. The LEDs also indicate fault conditions such as shorted cell, battery too hot/cold, and defective battery. A positive latch ensures that the radio is securely in place while it is in the charger. The radio quick release button disengages the radio from the charger for fast removal. Versatile mounting options allow the charger to fit different vehicle mounting requirements.

DUAL POSITION VEHICULAR CHARGERS

The Dual Position Vehicular Charger includes the vehicular charger, mounting bracket and cables, and manual.

P7100 ^{IP}	H2VPRE
Jaguar 700Pi and 700P	H2VPRE

DUAL POSITION ENHANCED VEHICULAR CHARGER



The Dual Position Enhanced Vehicular Charger is a vehicle-mounted device that provides the portable radio user with features similar to that of a mobile radio. In

addition, the unit includes a battery charger that supports standard and extra high capacity portable radio batteries. The Dual Position Enhanced Vehicular Charger is identical to the Enhanced Vehicular Charger with the exception of the inclusion of a second set of charging contacts. If the portable radio has the special compatible speaker mic affixed, the second set of contacts engages to allow the user to charge the portable radio battery without removing the speaker mic. Note that the extended features of the Enhanced Vehicular Charger (external mic, speaker, antenna, and control head) are not enabled when the speaker mic is attached to the portable radio. If the speaker mic is not in place, the charger operates exactly as the Enhanced Vehicular Charger.

When the portable radio is inserted and engaged in the Dual Position Enhanced Vehicular Charger, an electrical interface is established through the portable Universal Device Connector (UDC). This interface provides the following functions: external mobile microphone, external antenna, and an amplified (10W) external speaker. Some portable radio applications, when engaged in the Dual Position Enhanced Vehicular Charger, allow for external control of the portable radio via fixed mount or hand held control unit. Full radio display and keypad functionality are available from the control unit or Hand Held Controller.

The battery charger supports standard or extra high capacity Nickel Cadmium portable radio batteries. The charger provides micro-processor controlled charging for long battery life and maximum battery performance. An automatic restart feature constantly monitors the battery while it is in the charger and will start charging the battery as soon as it falls below 75% of capacity. Protective circuitry prevents damage to the battery resulting from charging batteries that are not within the required temperature or voltage range. The charge rate may be adjusted through dipswitch configuration to allow a dual charge rate.

Three LEDs signal charging status and indicate when full charge is completed. The LEDs also indicate fault conditions such as shorted cell, battery too hot/cold, and defective battery. A positive latch ensures that the radio is securely in place while it is in the charger. The radio quick release button disengages the radio from the charger for fast removal. Versatile mounting options allow the charger to easily fit different vehicle mounting requirements.

DUAL POSITION ENHANCED VEHICULAR CHARGERS

The Dual Position Enhanced Vehicular Charger includes the vehicular charger, mounting bracket and cables, mic with switchhook, mic hanger kit, speaker, and manuals.

P7100 ^{IP}	H2VPDE
Jaguar 700Pi and 700P	H2VPDE

SPECIFICATIONS

Mechanical Characteristics

Dimensions (H x W x D): 7.6 x 7.1 x 2.3 in.
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Off: 5 mA
On and Not Charging: 100 mA

Charge Currents:

Fast Charge: 1.5 and 0.75A
Trickle Charge: 75 mA