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iCHARGE-VC In - Vehicle PMR Charger Conditioners

Description

The iCHARGE™-VC's are in vehicle single and dual bay charger-conditioners aimed at professional mobile radio. Using ACT's unique technology batteries are simultaneously conditioned during the charging process. No discipline is required by the user to ensure that the battery is cycled to best effect. There's no complicated charging rules to follow or additional conditioning required. One of the main benefits of the iCHARGE™ range is to keep the batteries in a charge receptive state and to precisely terminate the charge cycle when the maximum available capacity is reached. This prevents overcharging and overheating, the two main contributors to early battery failure. These charger conditioners greatly reduce and where possible reverse the parasitic reactions that lead to dendrite growth and ion imbalances. This means that your new batteries will perform like new for a very long time and your used batteries will be restored where the capacity damage is reversible. Users of Advanced Charger Technology not only enjoy the longest battery life spans but also benefit from the fastest possible charge times. The base units support different battery chemistries. Interchangeable adapters are used according to the battery. Over 100 handset/battery combinations are supported by ACT's extensive range of adapters. So if your organisation change handsets the chances are you'll only need to change the adapter on your iCHARGE™ unit. The wide DC input ensures that the unit is suitable for a wide range of vehicles including fire appliances and ambulances. A restraining strap makes sure that the battery is kept safely in place even if the going gets rough.



- Conditions Batteries during Charge
- Includes vehicular mounting Kit
- Interchangeable Adapters
- Extended Battery Life
- No Charging Rules
- Wide DC Input

Selection Table

Part Number	No of Charging Positions	Input Voltage	Max Charge Current	Dimensions (WxDxH)
i35-VC	Single Bay	11 - 28VDC	2.4A	120x210x55mm
i22-VC	Dual Bay	11 - 28VDC	2.4A	250x235x42mm



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Technical Data

	i35-VC	i22-VC
Number of Charging Bays	1	2
Battery Chemistries Supported	Ni-Cd & Ni-MH	Ni-Cd, Ni-MH, Li-ion
Battery Ranges	4 - 10 cell Ni-Cd/Ni-MH,	4 - 10 cell Ni-Cd/Ni-MH, 1 - 3 cell Li-ion
Ni-Cd Battery Charge Time	typically 45mins/AH	typically 30mins/AH
Ni-MH Battery Charge Time	typically 75mins/AH	typically 60mins/AH
Li-ion Battery Charge Time	N/A	typically 120mins/AH
Maximum Charge Current	2.4A	
Maximum Depolarization Current	12A	
Input Voltage	11 - 28VDC	
Humidity	95% non-condensing	
Operating Temperature	0 - 40°C	
Accommodates iGAUGE™	No	Yes
Mounting Plate and In-Line Fuse Supplied	Yes	
Unit Weight	0.3kgs	2.6kgs
Construction	plastic	steel
Approvals	UL, CE, CSA	

Two Way Radios Supported

The base units are fitted with interchangeable adapters to suit the batteries your organisation uses. All the popular manufacturers are supported. Simply tell us your handset code and your battery chemistry.

Motorola	Kenwood	Yaesu/Vertex	ICOM
Midland/EF Johnson	Vertex	Maxon	Tait
Marconi/Puma/EADS	Bosch	ICOM	AEG
Bendix King	Niros	Simoco/Sapura	IDEN/Nextel

Options Table

Code	Description
/iGAUGE.....	An intelligent capacity display unit that fits underneath existing adapter plates and delivers precise digital reading (mAh) on your battery's capacity. Also features a deep conditioning function that provides three complete discharge/recharge cycles