

iCHARGE-VC

IN-VEHICLE PMR CHARGER CONDITIONERS



POSITIVE PROBLEM SOLVING **+ =**

The iCHARGE™-VC's are in-vehicle single bay charger/conditioners aimed at professional mobile radio. 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. 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.

- + Conditions Batteries During Charge**
- + Includes Vehicular Mounting Kit**
- + Interchangeable Adapters**
- + Extended Battery Life**
- + No Charging Rules**
- + Wide DC Input**

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FURTHER DETAILS

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.

SELECTION TABLE

Part Number	No of Charging Positions	Power Source	Input Voltage	Maximum Charge Current	Dimensions (W × D × H)
i25-01 VC	Single Bay	Hardwired	11 - 28VDC	2.4A	120 × 210 × 55mm
i25-02 VC	Single Bay	Cigarette Adapter	11 - 28VDC	2.4A	250 × 235 × 42mm

OPTIONS

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.

TECHNICAL DATA

GENERAL	
Number of Charging Bays	1
Battery Chemistries Supported	Ni-Cd, Ni-MH
Battery Ranges	4 - 10 cell Ni-Cd, 4 - 10 cell Ni-MH
Ni-Cd Battery Charge Time	Typically 45mins/AH
Ni-MH Battery Charge Time	Typically 75mins/AH
Li-ion Battery Charge Time	N/A
Maximum Charge Current	2.4A
Maximum Depolarisation Current	12A
Input Voltage	11 - 28VDC
Humidity	95% non-condensing
Operating Temperature	0 - 40°C
Accommodates iGAUGE™	No
Mounting Plate and In-Line Fuse Supplied	Yes
Unit Weight	0.3kg
Construction	Plastic
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
- + Midland/EF Johnson
- + Marconi/Puma/EADS
- + Bendix King
- + Kenwood
- + Vertex
- + Bosch
- + Niros
- + Simoco/Sepura
- + Yaesu/Vertex
- + Maxon
- + ICOM
- + Tait
- + AEG
- + IDEN/Nextel
- + Hytera

Every effort is made to ensure that the information provided within this technical summary is accurate. However, ETPS Ltd must reserve the right to make changes to the published specifications without prior notice. Where certain operating parameters are critical for your application we advise that they be confirmed at the time of order. ETPS Ltd specialises in modifying its proven platforms to suit your needs. Please contact our office if your requirement is non-standard. Please note that your actual unit may differ from those shown.



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