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iCHARGE PMR Desktop Charger Conditioners

Description

The iCHARGE™ range provides the world's simplest and most effective solution to charging and conditioning PMR batteries. The unique Dynamic Electrochemical Waveform™ technology actually responds to the chemical state of the battery. This means that the units deliver an individually tailored charging and conditioning cycle for the unique needs of each battery. The benefit of DEW™ technology is its ability to keep batteries in a charge-receptive state and to precisely terminate the charge. This prevents overcharging and overheating, the two main contributors to early battery failure. Manufactured by Advanced Charger Technology users enjoy the world's fastest charge times. For example a 1200mAh Ni-Cd battery is typically charged from 'empty' to full capacity in 35 minutes. ACT's unique patented technology conditions the battery during charging, without the requirement of a deep discharge. This benefit eliminates the need for time-consuming and expensive battery maintenance programs. ACT chargers also reduce the parasitic reactions in batteries that cause memory effect. This means that your new batteries will perform like new for a very long time and your used batteries will be restored to maximum available capacity. Units can be specified with a mix of adapters to reflect the diversity of batteries found in many PMR fleets. A high degree of future proofing is provided. The base units are tri-chemistry allowing a mixture of Ni-Cd, Ni-MH and Li-ion batteries to be charged on the one unit. Interchangeable adapters support batteries used in over 100 different PMR handsets. This ensures that when new handsets are adopted the ACT charger-conditioners can be easily upgraded. The optional iGAUGE™ is designed for the 6 bay units to provide an analysis function. When a bay is fitted with the iGAUGE™ the capacity of a battery can be accurately checked. The reACTivate function provides an additional deep conditioning function allowing many batteries that have been used and abused on OEM chargers to be recovered. With over a million daily users throughout the world a wealth of field data along with independent testimonials shows that the iCHARGE range is the charger of choice.

- Conditions Batteries during Charge
- Interchangeable Adapters
- Tri-Chemistry Base Units
- Extended Battery Life
- No Charging Rules



Selection Table

Part Number	No of Charging Positions	Input Voltage	Max Charge Current	Dimensions (WxDxH)
i30	Single Bay	115/230VAC	2.4A	120x210x55mm
i70	6 Bay	115/230VAC	2.4A	460x280x170mm
i75	6 Bay	115/230VAC	2.4A	460x280x170mm



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iCHARGE

PMR Desktop Charger Conditioners

Technical Data

	i30	i70	i75
Number of Charging Bays	1	6	6
Battery Chemistries Supported	Ni-Cd, Ni-MH, Li-ion		
Battery Ranges	4 - 10 cell Ni-Cd, 4 - 10 cell Ni-MH, 1 - 3 cell Li-ion		
Ni-Cd Battery Charge Time	typically 30mins/AH		
Ni-MH Battery Charge Time	typically 60mins/AH		
Li-ion Battery Charge Time	typically 120mins/AH		
Maximum Charge Current	2.4A		
Maximum Depolarization Current	12A		
Humidity	95% non-condensing		
Operating Temperature	0 - 40 °C		
Input Voltage	115/230VAC, 50/60Hz		
Accommodates iGAUGE™	No	Yes	Yes
Built in Maintainer Function	No	No	Yes
Unit Weight	0.3kgs	5.5kgs	5.5kgs
Construction	plastic	aluminium	aluminium
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