

## ICBM-S Individual Charge Battery Manager With Battery Theft Alarm



The ICBM is a battery manager/conditioner that extends battery life by maintaining an equal state of charge across each battery in a string, maximizing battery-life and run-time. As this conditioning process minimizes battery differences in a string, individual batteries can be replaced as they fail, stopping the wasteful practice of replacing entire strings. The ICBM can tie into the power supply “tamper” alarm. If batteries are removed/stolen, the ICBM will open the tamper alarm, signaling the theft.

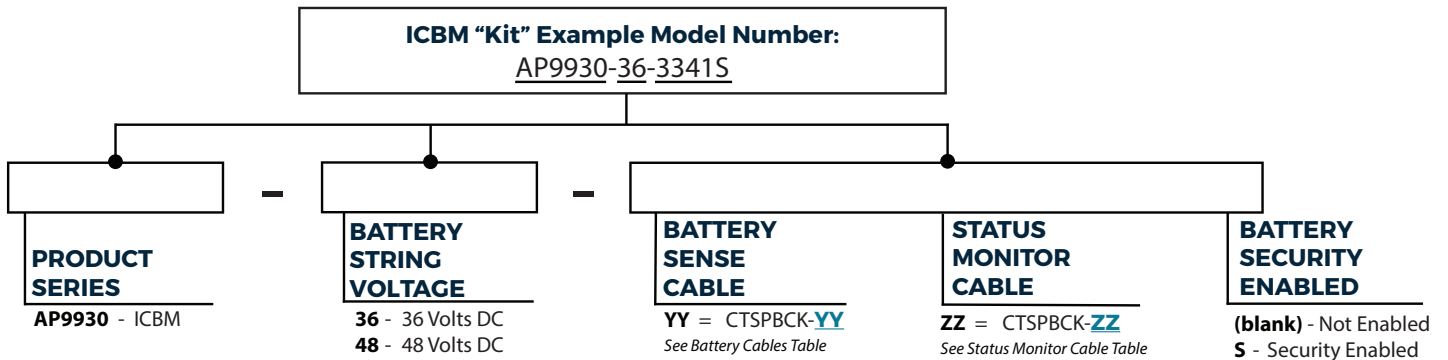
### FEATURES

- ◇ Individually charges each battery in a string
- ◇ Alarms on removal of any battery – Connects to Tamper Switch connection
- ◇ Minimizes differences between batteries over their lifespan, extending battery life
- ◇ Prevents chronic under-charged conditions
- ◇ Extends run-time by maximizing charge for each battery
- ◇ One ICBM can service up to two battery strings, auto-detects string configuration
- ◇ Both 36VDC and 48VDC versions available
- ◇ Easy installation, LED's signals bad wiring or connection faults
- ◇ Identifies bad batteries by flashing LED
- ◇ Bad battery info signaled to Status Monitoring systems using existing alarm structure
- ◇ Works on all manufacturers power supplies/UPS
- ◇ Can alarm on battery theft

# SPECIFICATIONS

	AP9930-36S	AP9930-48S
<b>General Description</b>	ICBM-S, 36 VDC, 1 or 2 battery string capable; Can alarm on battery theft	ICBM-S, 48 VDC, 1 or 2 battery string capable; Can alarm on battery theft
Dimensions H x W x D:	1.1 x 6.6 x 5.25 inches (28 x 163 x 133 mm)	
<b>Electrical</b>		
String Voltage Nominal:	36 VDC	48 VDC
Individual Battery Voltage Nominal:	12 VDC	
String Voltage Range:	27 to 45 VDC	36 to 60 VDC
Active Charge Voltage Range:	36.9 VDC to 45 VDC	49.3 VDC to 60 VDC
Low String Voltage Disconnect (LVD):	32.4 VDC (10.8 VDC / Battery)	43.2 VDC (10.8 VDC / Battery)
Individual Battery Charge Current:	1.5 Amps DC Max	1.5 Amps DC Max
Battery Missing Alarm Contacts:	Alarm Off: Low Impedance; Alarm On: High Impedance	
<b>Environmental</b>		
Operating Temperature:	-40°F to 158°F (-40 to 70°C)	
Storage Temperature:	-58°F to 185°F (-50°C to 85°C)	

## ORDERING INFORMATION



Battery Cables - Connects ICBM to Batteries				
String Voltage	# of Strings	Length String A	Length String B	Myers EPS Part Number
36	1	36"	--	CTSPBCK-33
36	1	72"	--	CTSPBCK-34
36	2	36"	72"	CTSPBCK-35
36	2	72"	72"	CTSPBCK-36
36	2	36"	90"	CTSPBCK-73
48	1	36"	--	CTSPBCK-37
48	1	72"	--	CTSPBCK-38
48	2	36"	72"	CTSPBCK-39
48	2	72"	72"	CTSPBCK-40

Status Monitor Cables - Connects ICBM to power supply / UPS transponder or alarm				
Connects to:	# of Strings	Cable Length	Cable - No Battery Security	Cable - With Battery Security
Myers EPS CTSP-SM5/8	1	36"	CTSPBCK-41	CTSPBCK-41S
Myers EPS CTSP-SM5/8	2	36"	CTSPBCK-45	CTSPBCK-45S
Myers	1 or 2	36"	SSPBCK-04	SSPBCK-04S
Alpha ED5M or DSM	1 or 2	36"	CTSPBCK-47	CTSPBCK-47S
Cheetah CMD-P	1 or 2	36"	CTSPBCK-47	CTSPBCK-47S
AM Ntwrks DOCSIS 9362	1 or 2	72"	CTSPBCK-51	CTSPBCK-51S
Contact Closure Alarm	1 or 2	36"	CTSPBCK-54	CTSPBCK-54S
Electroline DOCSIS DHT-PS also Electro/Alpha Embedded	1 or 2	36"	CTSPBCK-55	CTSPBCK-55S
Cheetah Proprietary CMX-36V	1 or 2	36"	CTSPBCK-69	CTSPBCK-69S

