

# BSCVMon Battery Charger monitor & maintenance utility

Made in Europe

**Chargers Connected:**

- #1 Cable OK <no charger> Watch
- #2 Cable OK CVS8X #00001 Watch
- #3 <no USB cable> <no charger> Watch
- #4 <no USB cable> <no charger> Watch

Batt #1	Batt #2	Batt #3	Batt #4	Batt #5	Batt #6	Batt #7	Batt #8
CV-Charge	No Battery	CC-Charge	No Battery	No Battery	No Battery	CV-Charge	No Battery
BV070		BV070				BV070	
#09831-08		#06986-08				#09825-08	
4921 mAh		5072 mAh				4813 mAh	
100 %		38 %				100 %	
0 min		88 min				2 min	
562 mA		4856 mA				484 mA	
16793 mV		16269 mV				16774 mV	
4207 mV		4071 mV				4201 mV	
4200 mV		4075 mV				4194 mV	
4194 mV		4060 mV				4192 mV	
V-Cell 4		4063 mV				4187 mV	
Cell temp.		22,5 °C				22,5 °C	
Cycle count		4 cycles				3 cycles	

**Aux port**

Param.	Value
Status	Idle
Voltage	15190 mV
Current	0 mA
Power	0 W

**Charger info**

Model	CVS8X
Serial no.	00001
Channel no.	8
Fw. ver.	1.0.0-1.2-1.2
Lot no.	2008-1334

Up to 4 chargers

Automatic data logging from batteries during charge  
 The real time chart viewer is a very useful feature for laboratory purposes.  
 With just a few clicks, Battery Voltage, Current and Single Cell Voltages readings are logged every few seconds with high accuracy ( $\pm 1\text{mV}$ ,  $\pm 1\text{mA}$ ) from the battery and shown spontaneously on the screen for rapid investigation.  
 Tools are available for immediate analysis of graphs on screen. Data can eventually be exported for further analysis.

Quick glance of battery parameters during charge

**Batteries**

Parameter	Batt #1	Batt #2
Status	CV-Charge	Pause
Model	BV070	BV070
Serial no.	#09831-08	#09825-08
Full Capacity	4921 mAh	4813 mAh
State of charge	100 %	100 %
Time to full	0 min	calc...
Actual current	296 mA	0 mA
Battery Voltage	16781 mV	16774 mV
V-Cell 1	4203 mV	4197 mV
V-Cell 2	4197 mV	4165 mV
V-Cell 3	4192 mV	4163 mV
V-Cell 4	4189 mV	4158 mV
Cell temp.	23,1 °C	22,5 °C
Cycle count	4 cycles	3 cycles

**Aux port**

Param.	Value
Status	Idle
Voltage	15450 mV
Current	0 mA
Power	0 W

**Charger info**

Model	CVTR2
Serial no.	00525
Channel no.	2
Fw. ver.	G1.3
Lot no.	2008-1324

**Aux port**

Param.	Value
Status	Active
Voltage	13830 mV
Current	3900 mA
Power	54 W

**Charger info**

Model	CVTR2
Serial no.	00525
Channel no.	2
Fw. ver.	G1.3
Lot no.	2008-1324

Tracking of AUX port activity

## Main features:

- A useful software tool ideal for users who need to keep their battery fleet up to-date.
- Monitors charger activity and automatically logs battery data when these are being charged
- Consents investigation of the status of BLUESHAPE batteries by displaying several parameters such as Pack Voltage, Single Cell Voltage, Cell Temperature, Cycle Count, Remaining Capacity, etc.
- Each charge channel can show a real time chart with voltage and charging current details for both the whole pack and for each single cell, for an accurate analysis on battery behaviour
- Automatically logs the battery data allowing complete tracking of the fleet history.
- Facility to monitor the AUX port state through an "oscilloscope-like" chart
- Presents a versatile tool for charger maintenance allowing remote firmware updates and charger diagnosis
- Connects up to 4 chargers (CVS8X, CVS4X and CVTR2 with data connectors) simultaneously via the special USB cable provided and up to 8 batteries per charger for concurrent monitoring of 32 battery packs

## Requirements:

- OS: Windows NT/ 2000/ XP/Vista
- Minimum configuration: Pentium 3 or higher, 128Mb RAM or greater, 2MB HD disk space, 1x USB 1.0 port or higher

