

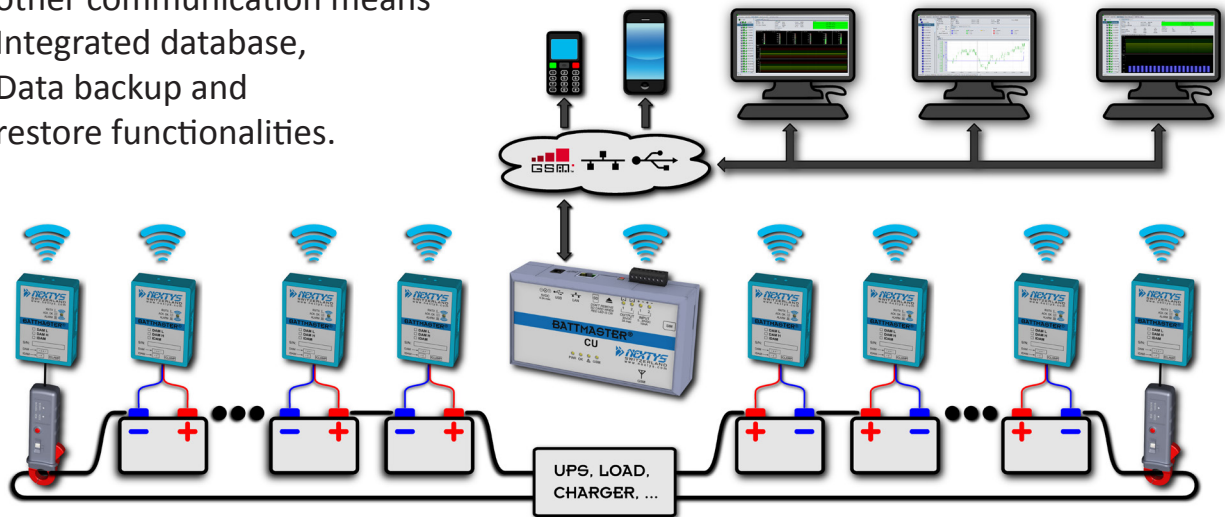
BATTMASTER®

A high tech, low cost, compact battery monitoring system, easy to install and operate: first wireless on the market.

Measures and stores: battery voltage, temperature, current, internal resistance and discharging cycles for each battery of up to 1024 batteries.

Can be integrated with any remote supervising system based on GSM, Internet or other communication means

Integrated database,
Data backup and
restore functionalities.




CU

For reference only


DAM

For reference only


IDAM with Current Clamp

For reference only

TECHNICAL DATA

CU

Supply input voltage range	4.5...5.5Vdc by external power supply or by USB
Current consumption	0.5A max.
Backup power	2X AAA NiMH rechargeable batteries (about 1.5h of backup)
Digital inputs (user settable)	2 x opto isolated, 5...30Vdc, 10mA
Digital outputs (user settable)	2 x relays, 24Vdc 3A max.
Data storage	FAT32 custom formatted microSD card, up to 4GB (> 2 years for 1000 batteries at refresh rate 0.5h)
Maximum number of supported devices	64 IDAM, 1024 DAM
Connectivity	Ethernet 10/100Mb Used for remote configuration and monitoring HTTP server and SMTP client
	USB2 Full speed 12Mbit/s Used for remote configuration and monitoring
	GSM Quad-Band 850/900/1800/1900MHz SMS alarms
	RF 868/915MHz license free ISM baseband (4 channels settable) Up to 100 meters outdoor, up to 30 meters indoor
Approx. Weight	0.245Kg
Size (W x H x D)	150.0 x 82.0 x 46.0mm

DAM

	L type (2V batteries)	H type (6/12V batteries)
Battery voltage range	1.5...5.5Vdc	5...18Vdc
Current consumption (typical)	80mA @ 2V	30mA
RF	868/915MHz license free ISM baseband (4 channels settable) Up to 100 meters outdoor, up to 30 meters indoor	
Battery Measures	Voltage	1.5...5.5Vdc, ±1.5%
	Ri	1...300mΩ, ±10% or ±1mΩ
	Temperature	- 20°C...+ 80°C, ±2°C
Protections	Reverse polarity (active) Overvoltage (passive)	
Battery connection	Blade connector (Faston), ring or alligator clip (others possible on demand)	
Approx. Weight	37.0g	
Size (W x H x D)	56.0 x 81.0 x 21.0mm	

IDAM

Supply input range	9...18Vdc (from external power supply or battery)
Current consumption (typical)	50mA
RF	868/915MHz license free ISM baseband (4 channels settable) Up to 100 meters outdoor, up to 30 meters indoor
Current Range	40A range: 0...40A, ±1.5% or ±0.4A
	300A range: 0...200A, ±1.5% or ±2A
	300A range: 200...300A, ±2.4% or ±3A
Protections	Reverse polarity (active) Overvoltage (passive)
Approx. Weight	36.0g - (Current Clamp: 0.185kg)
Size (W x H x D)	56.0 x 81.0 x 21.0mm - (Current Clamp: 47.0 x 185.0 x 31.5mm)