



AMARA RAJA
Gotta be a better way



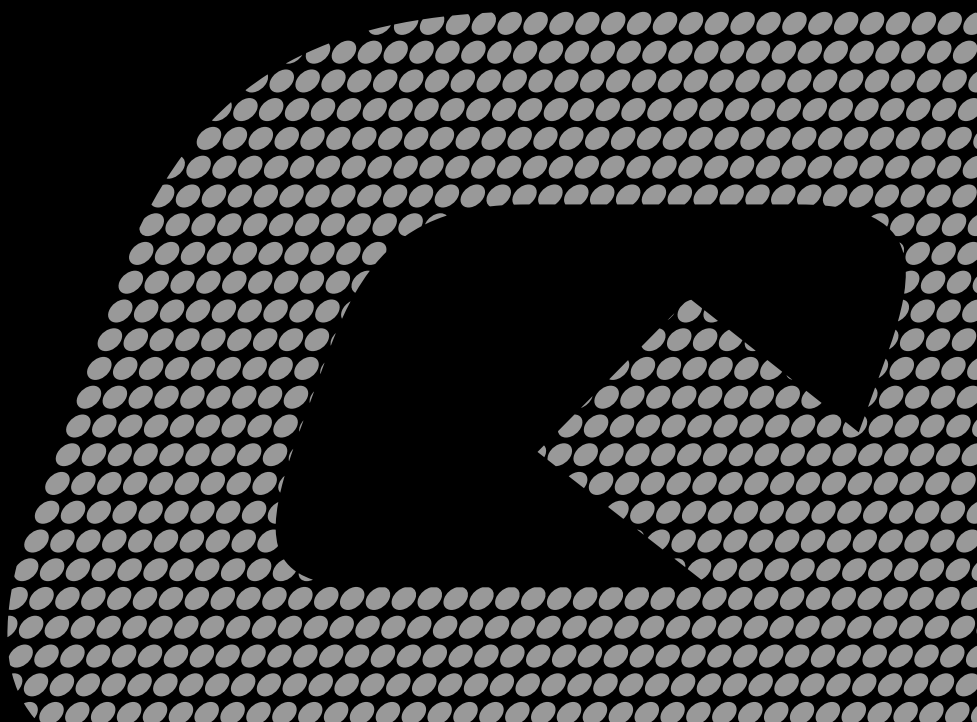
AMARON

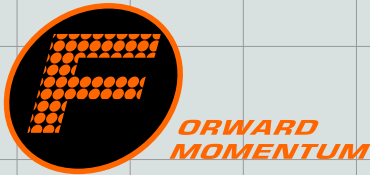
SEALED MAINTENANCE FREE

QUANTA

UNINTERRUPTED LIFE

**THE LONG LIFE
UPS BATTERY**





Presenting Amaron Quanta™, the industrial segment SMF battery for UPS applications, built to perform 'forever'. In short, the lifeline to your UPS applications.

Amaron Quanta™ is a product of fail-safe, fool-proof battery technology, produced and tested in our premier manufacturing facility. Built to the highest technical competence in its class, the Amaron Quanta™ is an example of Amara Raja's commitment to bringing the best of technology to your table. It features several firsts for the battery industry like the unique Radgrid™ profile.

As a company that is known for its legendary obsession with technology, Amara Raja has been behind some of the best innovations in technology that India has seen. Our VRLA - Valve Regulated Lead Acid batteries for example, were India's first major advancement in battery technology. This paved way for our literally no-maintenance and far reliable automotive battery, Amaron®. Amaron® has grown rapidly to become the preferred battery of leading auto manufacturers. Today Amaron® sets the benchmark for quality and technology in the hitherto dormant automotive battery market.

Our every product comes with the double promise of Amara Raja's expertise and support of our alliance partner, Johnson Controls Inc., undisputed world leader in the storage battery business.

The Amaron Quanta™ comes to you with the same promise of advanced technology and unmatched customer service standards followed at Amara Raja.

An UPS battery is meant to provide back-up. So what's the back-up to the back-up? Shall we say, technology?

Amaron Quanta™ is the product of fail-safe, fool-proof battery technology, produced and tested in our premier manufacturing facility. It features several firsts for the battery industry, like the unique Radgrid™ profile.

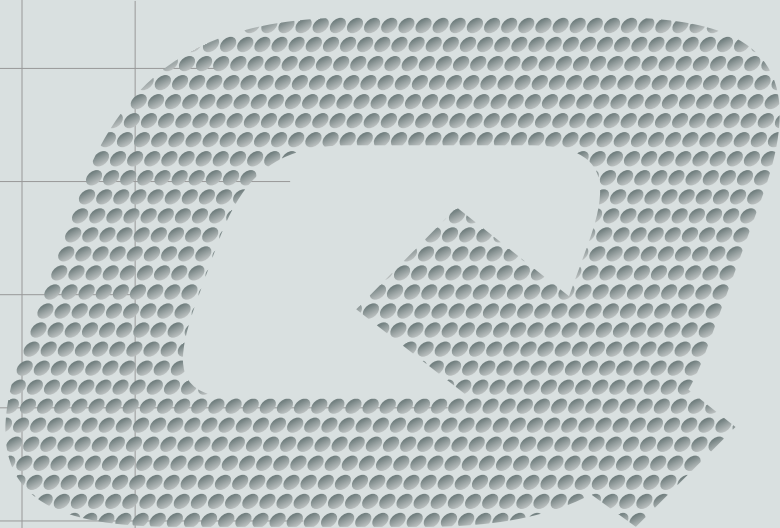


Applications

- ❖ Data Centres
- ❖ Banks & Financial Markets
- ❖ Network Operations Centers
- ❖ Industrial Process Control Facilities
- ❖ Internet Housing Sites
- ❖ Semiconductor Manufacturing
- ❖ Power Generation Plants
- ❖ Hospital & Testing Laboratories



QUANTA™
- WHEN ALL
ELSE FAILS



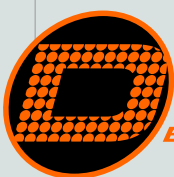
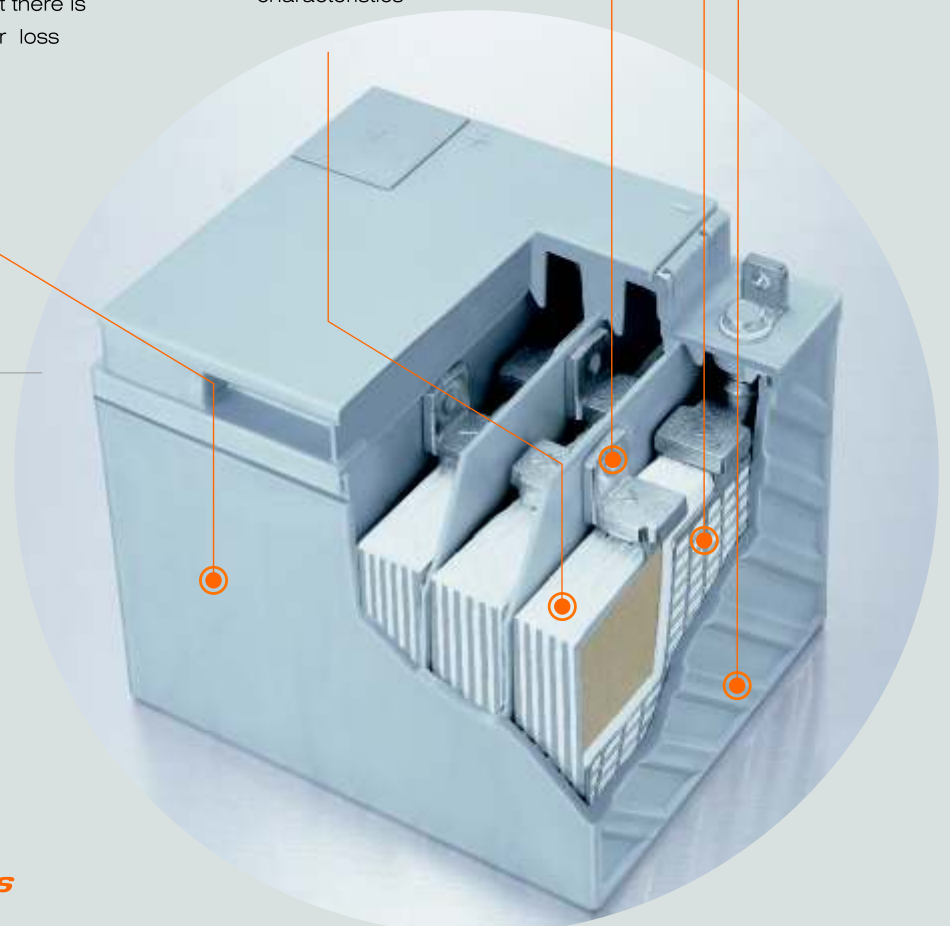
Thicker grids and
higher separator
compression
prolong life
expectancy

Inter-cell weld
between cells
provides a highly
reliable, low
resistance
current path

Reinforced end
walls improve
impact resistance

PPCP containers
with low
permeability
ensure that there is
no water loss

Proven AGM
technology ensures
maintenance-free
characteristics



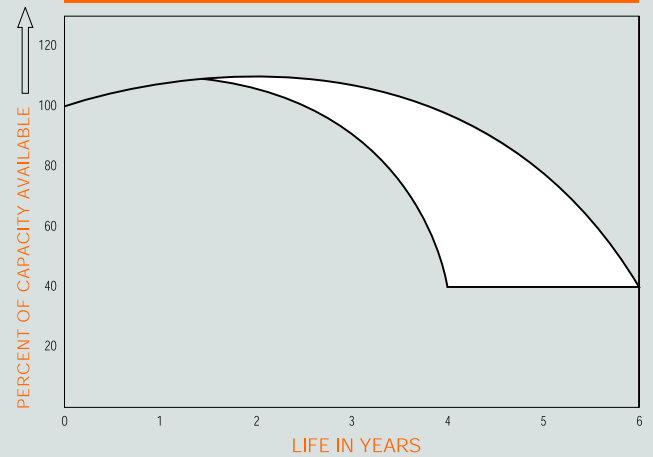
**ESIGN
FEATURES**

Uninterrupted life

A clutch of design features ensures that Amaron Quanta™ batteries perform predictably and reliably every time.

- ❖ A unique heavy-duty corrosion-resistant alloy for positive grids, to increase cyclic life in tropical environments.
- ❖ Radgrid™ profile provides lower internal resistance and superior high-discharge performance.
- ❖ Instacharge™ a patented paste recipe for excellent charge acceptance.
- ❖ Low self-discharge rates for extended storage periods.
- ❖ Conforms to International Standards – JIS 8702C.
- ❖ Design float life of 10 years
- ❖ Clean and sleek looks.

SERVICE FLOAT LIFE EXPECTANCY OF AMARON QUANTA™ BATTERIES



Designed to make life easier

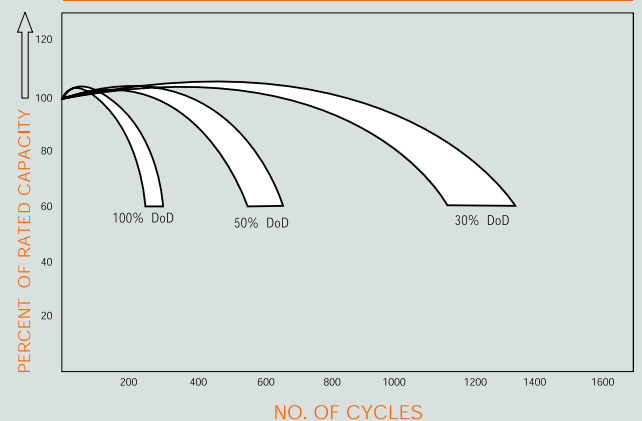
Since Amaron Quanta™ has a broad range of SMF batteries specifically designed for UPS application, it offers you the right choice, no matter what your particular standby power need is.

It is aesthetically designed, with an L shaped terminal block that comes with a rugged Flappon™ terminal protector that prevents shorts.

The metallic silver finish gives it a business-like look and feel that blends into the plush office environment.

And every other angle is covered too: Amaron Quanta™ is compact, lightweight, factory-charged, explosion-resistant and environment-friendly.

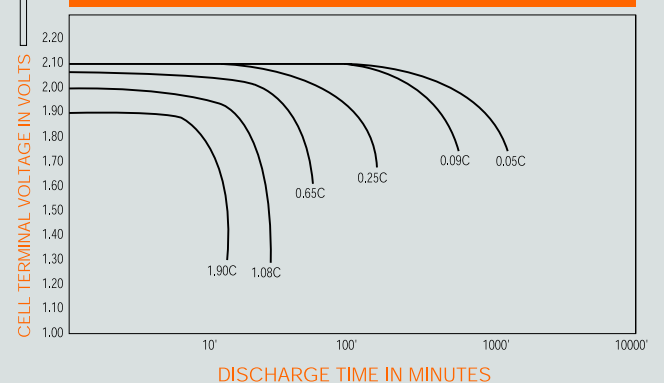
CYCLIC LIFE EXPECTANCY OF AMARON QUANTA™ BATTERIES



Uninterrupted back-up

Apart from the technology itself, it's our stringent quality norms. Helping us meet them is our QS 9000 accredited manufacturing plant. This is one of the newest and most extensive facilities in the Johnson Controls Alliance. Our Battery Excellence Centre ensures that we set industry benchmarks.

DISCHARGE CHARACTERISTICS OF AMARON QUANTA™ BATTERIES



Technical data

Model	Voltage (Volts)	Capacity Ah @20 hr	Dimensions (±2mm)			Weight (kgs) (±5%)
			Length	Width	Height	
12AL007	12	7.2	151	66	95	2.2
12AL010	12	10	151	99	95	3.8
12AL012	12	12	151	99	95	4.2
12AL018	12	18	181	78	166	6.5
12AL026	12	26	167	126	175	9.0
12AL042	12	42	199	167	175	14.0
12AL065	12	65	351	167	175	20.0
12AL070	12	70	351	167	175	23.5
12AL100	12	100	441	167	216	35.0
12AL130	12	130	447	168	247	42.0
12AL160	12	160	447	168	283	52.0
12AL200	12	200	556	186	263	62.0

EMV: End Module Voltage

Also available in 28Ah, 84Ah, 110Ah

Recharge characteristics

Charge Setting @ 27°C	Charging Voltage per 12 V Module
Float	13.50 V
Boost	13.80 V

The maximum current limit in either charge provision will be 25% of the rated capacity (AH) at a 20-hour rate.

Company-owned service network

An expanding sales and service network spread across the country backs the Amaron Quanta™ range of batteries. The network consists of a qualified team of engineers who provide pre and post-sales service and support.

Back-up your UPS battery decision with solid, proven technology. Choose Amaron Quanta™.



AMARA RAJA BATTERIES LIMITED
(An Amara Raja Johnson Controls Company)

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Authorized Quanta Alliance (AQuAs):



Quality Systems. Certified to
EN ISO 9001 : 2000
ISO/TS 16949 : 2002
EN ISO 14001 : 2004

