

 **Amara Raja**
Powered by Innovation



SEALED MAINTENANCE FREE

QUANTA

UNINTERRUPTED LIFE

THE LONG LIFE
UPS BATTERY



**ORWARD
MOMENTUM**

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.

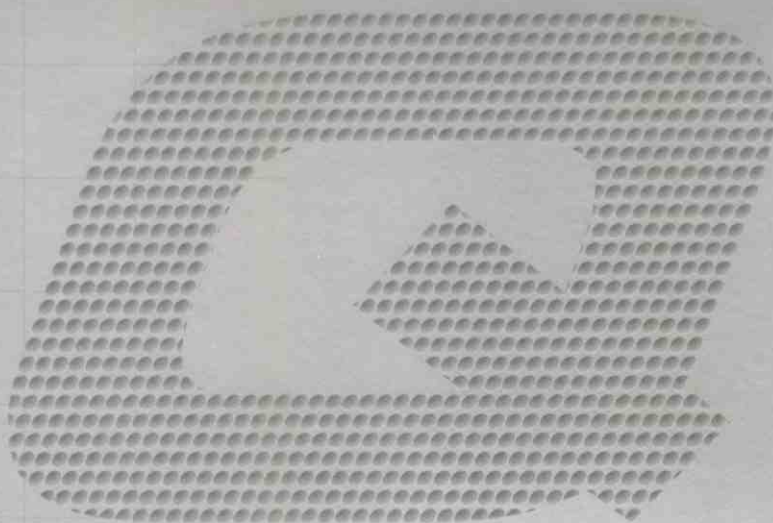


An UPS battery is meant to provide back-up. So what's the back-up to the back-up? Shall we say, technology?

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.



QUANTA™
— WHEN ALL
ELSE FAILS



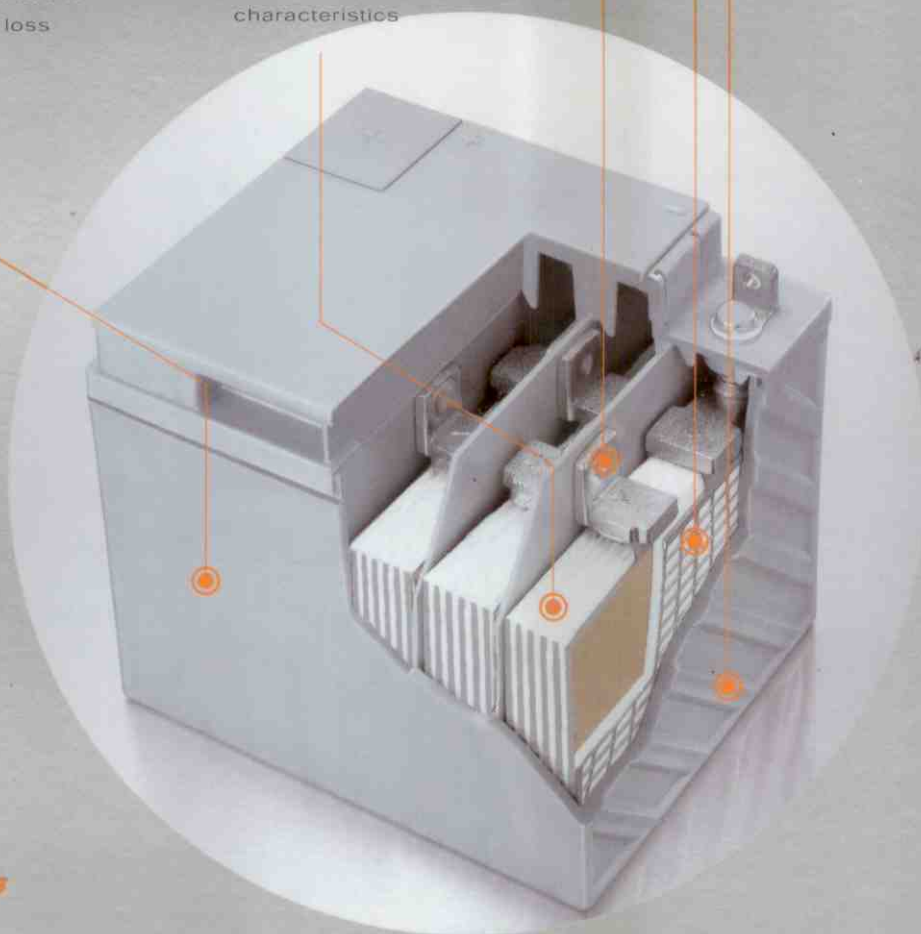
Thicker grids and
higher separator
compression
prolong life
expectancy

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



**DESIGN
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.
- ◆ Clean and sleek looks.

Designed to make life easier

Since Amaron Quanta™ has a broad range of SMF batteries specifically designed for UPS applications, 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.

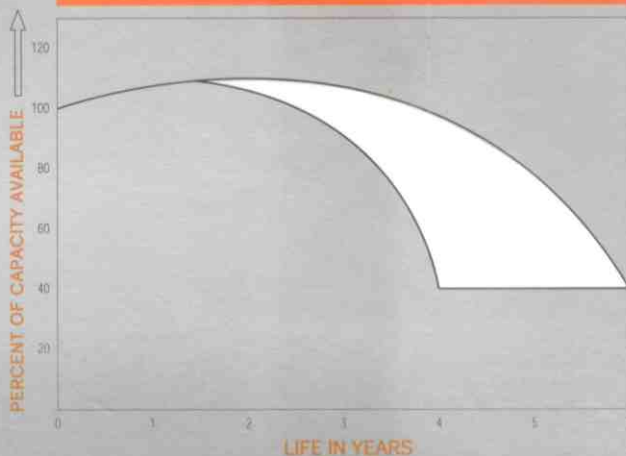
The metallic silver finish gives it a business-like look and feel that blends into the plush office environment.

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

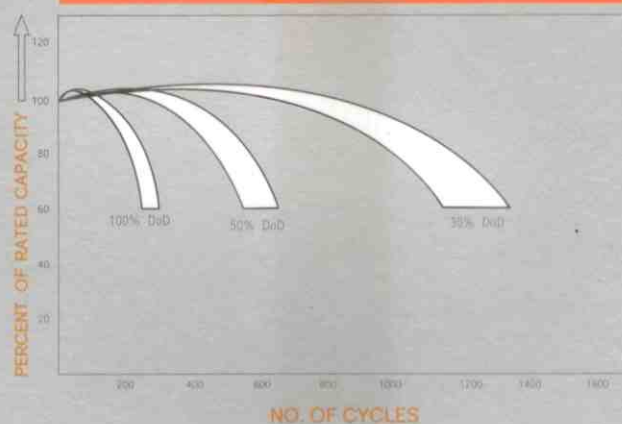
Uninterrupted back-up

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.

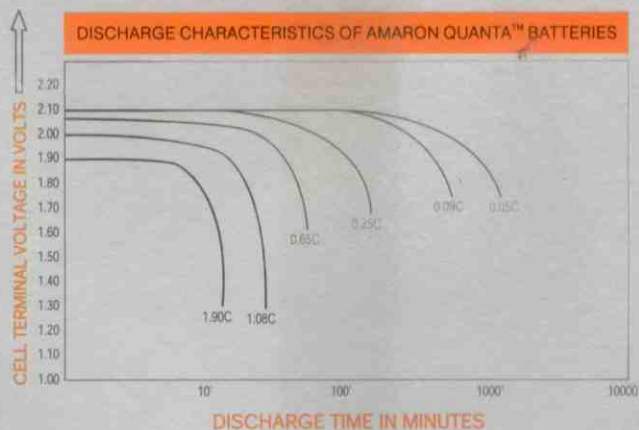
FLOAT LIFE EXPECTANCY OF AMARON QUANTA™ BATTERIES



CYCLIC LIFE EXPECTANCY OF AMARON QUANTA™ BATTERIES



DISCHARGE CHARACTERISTICS OF AMARON QUANTA™ BATTERIES



Technical data

Model	Voltage (Volts)	Capacity Ah @20hr	Dimensions (± 2mm)			weight (kgs)	Discharge characteristics in Amps						
			Length	width	height		20 hr to 10.5 EMV	10 hr to 10.5 EMV	5 hr to 10.2 EMV	3 hr to 10.2 EMV	1hr to 9.6 EMV	½ hr to 7.8 EMV	1/4 hr to 7.8 EMV
12AL 026	12	26	167	126	175	9	1.30	2.42	4.46	6.58	17	29	50
12AL 042	12	42	199	167	175	14	2.10	3.91	7.20	10.62	27	47	81
12AL 065	12	65	351	167	175	23	3.25	6.05	11.15	16.44	42	72	125
12AL 070	12	70	351	167	175	23.5	3.50	6.52	12.01	17.70	45	77	134
12AL 080	12	80	351	167	203	27	4	7.45	13.72	20.23	52	89	154
12AL 100	12	100	441	167	216	35	5.00	9.31	17.15	25.29	65	111	192
12AL 110	12	110	441	167	216	35	5.5	10.24	18.87	27.82	71	122	212

EMV: End Module Voltage

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™**

