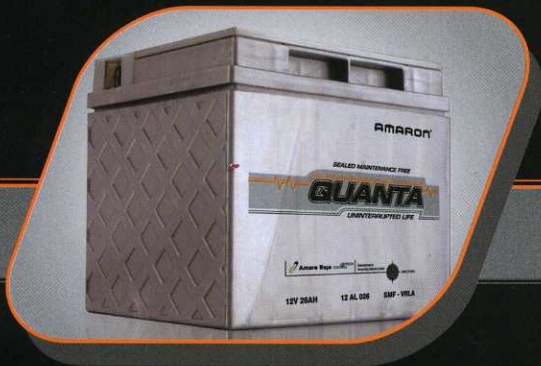


AMARON®

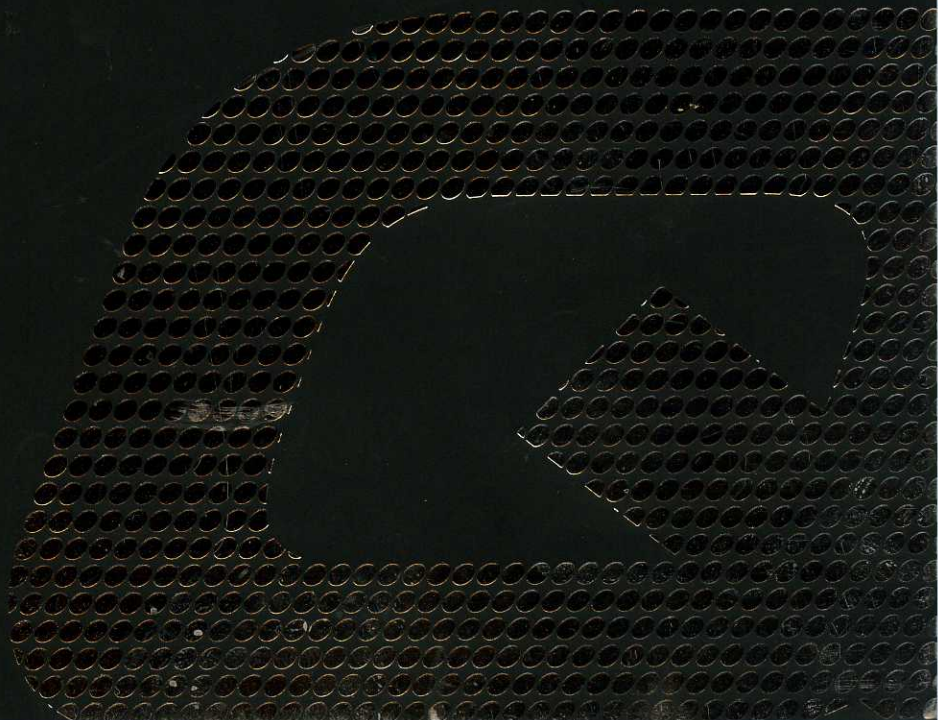


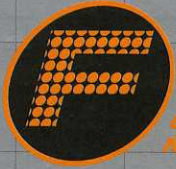
SEALED MAINTENANCE FREE

QUANTA

UNINTERRUPTED LIFE

THE LONG LIFE
UPS BATTERY





**FORWARD
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.

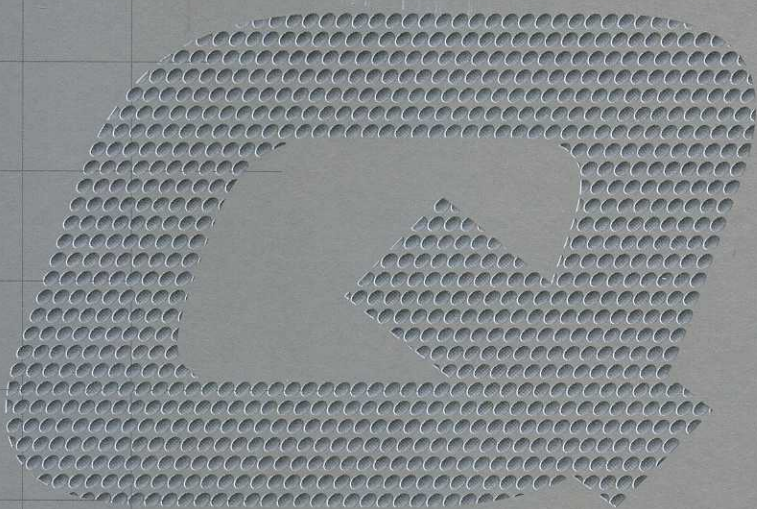
The Amaron Quanta™ comes to you with the same promise of advanced technology and unmatched customer service standards followed at Amara Raja.



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



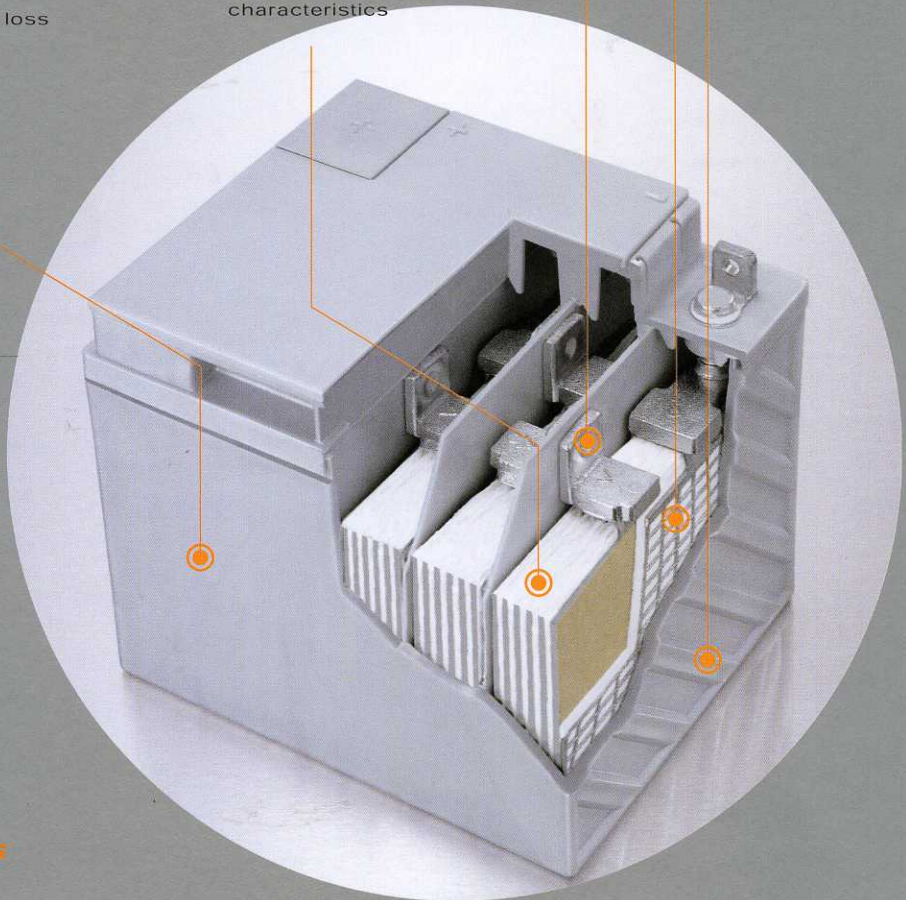
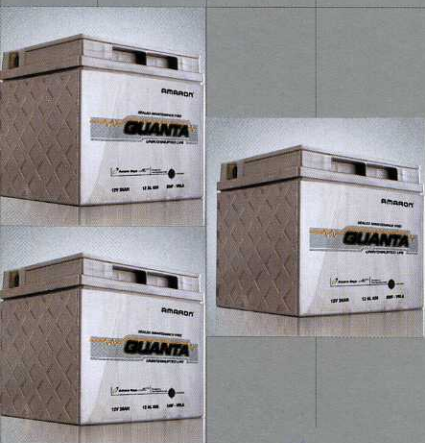
Thicker grids and higher separator compression prolong life expectancy

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.

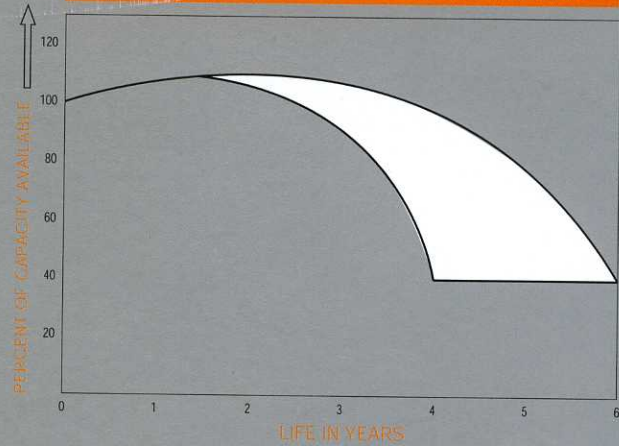
The metallic silver finish gives it a business-like look and feel that blends into the plush office environment.

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

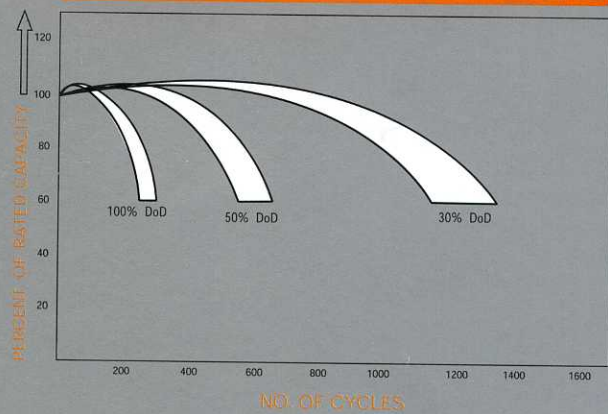
Uninterrupted back-up

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.

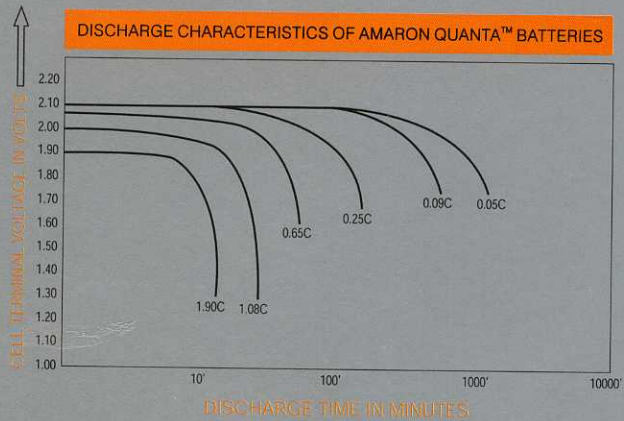
FLOAT LIFE EXPECTANCY OF AMARON QUANTA™ BATTERIES



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	1 hr to 9.6 EMV	½ hr to 7.8 EMV	¼ hr to 7.8 EMV
06AL004	6	4.5	70	46	100	0.79	0.23	0.42	0.77	1.14	2.91	4.98	8.65
12AL007	12	7.2	151	66	95	2.54	0.36	0.67	1.24	1.82	4.65	7.97	13.85
12AL010	12	10	151	99	95	3.80	0.50	0.93	1.72	2.53	6.46	11.07	19.23
12AL012	12	12	151	99	95	4.20	0.60	1.12	2.06	3.04	7.76	13.28	23.08
12AL018	12	18	181	78	166	6.50	0.90	1.68	3.09	4.56	11.64	19.93	34.62
12AL026	12	26	167	126	175	9.00	1.30	2.42	4.46	6.58	17.0	29.0	50.0
12AL042	12	42	199	167	175	14.0	2.10	3.91	7.20	10.62	27.0	47.0	81.0
12AL065	12	65	351	167	175	23.0	3.25	6.05	11.15	16.44	42.0	72.0	125.0
12AL070	12	70	351	167	175	23.5	3.50	6.52	12.01	17.70	45.0	77.0	134.0
12AL080	12	80	351	167	203	27.0	4.00	7.45	13.72	20.23	52.0	89.0	154.0
12AL100	12	100	441	167	216	35.0	5.00	9.31	17.15	25.29	65.0	111.0	192.0
12AL110	12	110	441	167	216	35.0	5.50	10.24	18.87	27.82	71.0	122.0	212.0
12AL130	12	130	447	168	247	42.0	6.50	12.10	22.30	32.88	84.42	144.44	250.00
12AL160	12	160	447	168	283	52.0	8.00	14.90	27.44	40.47	103.90	177.78	307.69

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 services 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)

Registered Office

Manufacturing Facilities & Central Distribution Centre
Karakambadi - 517 520, Tirupathi, Andhra Pradesh, India.

Corporate Operations Office

Corporate Marketing Office & Customer Support Centre

5th Floor, Astra Towers, Survey No.12P, Hitech City
Kondapur, Hyderabad: 500 038. India

Tel: +91 040 2368 3000, Fax: +91 040 2311 8219

e-mail: mktg@amararaja.co.in, www.qunata.in

www.amararaja.co.in

Other Marketing Offices & Customer Support Centres

Banglore : Tel: +91-80-2310 2140 / 41
Fax: +91-80-2310 2142

Chennai : Tel: +91-44-2661 5695 / 97
Fax: +91-44-2661 5794

Hyderabad : Tel: +91-40-2339 4594 / 97 / 4830
Fax: +91-40-2332 868

Kolkatta : Tel: +91-33-2525 0089 / 91
Fax: 033-2525 0090

Lucknow : Tel: +91-522-239 8570 / 71
Fax: 033-522-239 8994

Mumbai : Tel: +91-22-2835 1800 / 01 / 02 / 03 / 04
Fax: +91-22-2835 1805

New Delhi : Tel: +91-11-2954 1893 / 95 / 96
Fax: +91-11-2954 1044

Toll free (for BSNL landline) : 1800 200 2288
Other : 044 3915 2288

Authorized Quanta Alliance (AQAs):



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

