



AMARA RAJA
Gotta be a better way



**Johnson
Controls**



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



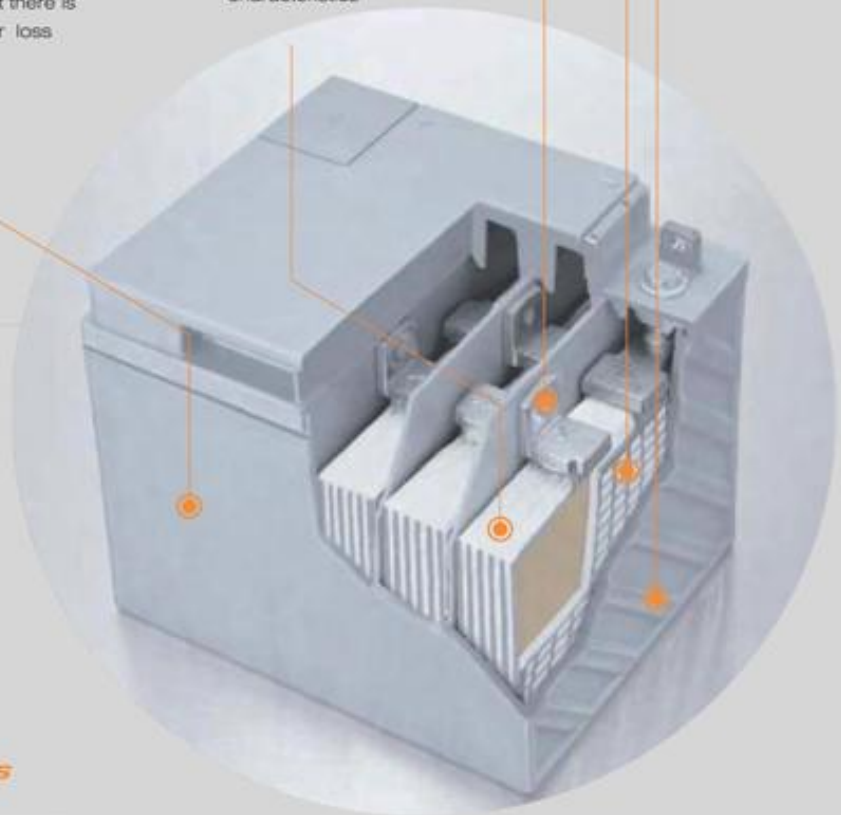
Thicker grids and higher separator compression prolong life expectancy

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



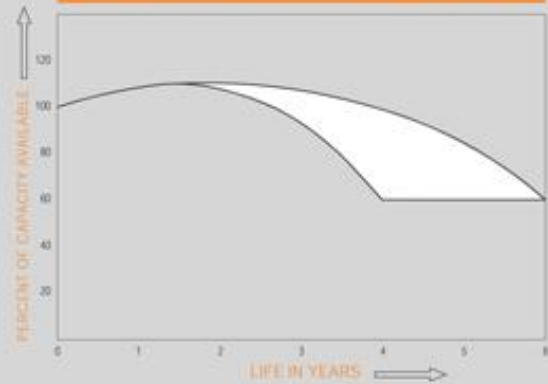
DESIGN FEATURES

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 B702C.
- ◆ Design float life of 10 years
- ◆ Clean and sleek looks.

SERVICE FLOAT LIFE EXPECTANCY OF AMARON QUANTA™ BATTERIES



Designed to make life easier

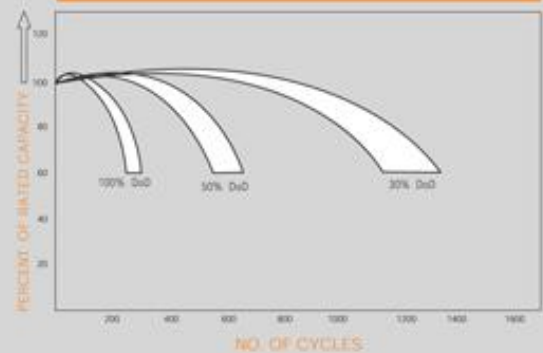
Since Amaron Quanta™ has a broad range of SMF batteries specifically designed for UPS application, it offers you the right choice, no matter what your particular standby power need is.

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.

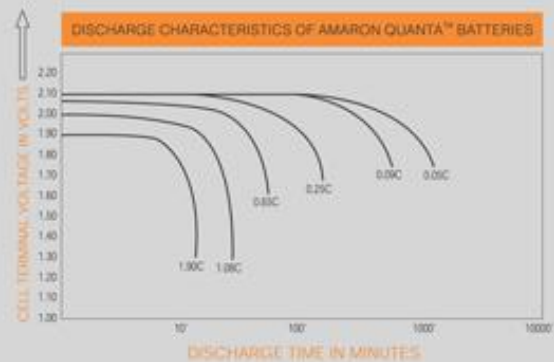
CYCLIC LIFE EXPECTANCY OF AMARON QUANTA™ BATTERIES



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

Battery Rating	Nominal Capacity (in Ah) @ 27°C, C20	Dimensions (±2mm)			Approx Weight (in Kgs) ±5%	CONSTANT CURRENT DISCHARGE RATINGS-AMPERES AT 27°C (10.5 EMV)										Terminal Type	Plastic
		Length	Width	Total Height		10 Min	15 Min	30 Min	60 Min	2 Hrs	3 Hrs	5 Hrs	10 Hrs	20 Hrs			
12V26Ah	26	167	126	175	9.00	53.06	41.94	25.74	16.25	9.29	6.57	4.44	2.42	1.30	L terminal (B6)	PPCP	
12V42Ah	42	199	167	175	14.00	85.71	67.74	41.58	26.25	15.00	10.61	7.18	3.91	2.10	L terminal (B6)	PPCP	
12V65Ah	65	351	167	175	20.00	114.29	90.32	55.45	35.00	20.00	14.14	10.26	5.59	3.25	L terminal (B6)	PPCP	
12V84Ah	84	351	167	203	27.00	171.43	135.48	83.17	52.50	30.00	21.21	14.36	7.82	4.20	L terminal (B6)	PPCP	
12V100 Ah	100	393	173	221	32.50	200.00	158.70	98.00	61.00	35.71	25.25	17.09	9.31	5.00	M8 X 25 mm Copper	PPCP	
12V120 Ah	120	393	173	240	36.60	240.00	190.48	117.65	73.17	42.86	30.30	20.51	11.17	6.00	M8 X 25 mm Copper	PPCP	
12V130Ah	130	445	168	247	42.00	265.31	209.68	128.71	81.25	46.43	32.83	22.22	12.10	6.50	L terminal (B6)	PPCP	
12V150 Ah	150	453	173	251	45.00	300.00	238.10	147.06	91.46	53.57	37.88	25.64	13.97	7.50	M8 X 25 mm Copper	PPCP	
12V160Ah	160	445	168	283	52.00	326.53	258.06	158.42	100.00	57.14	40.40	27.35	14.90	8.00	L terminal (B6)	PPCP	
12V200Ah	200	556	186	263	62.00	400.00	317.50	196.10	122.00	71.40	50.50	34.20	18.60	10.00	M8 X 25 mm Copper	PPCP	

EMV: End Module Voltage

Also available in 28Ah, 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 (AQAs):



Quality Systems Certified to
EN ISO 9001 : 2009
ISO/TS 16949 : 2002
EN ISO 14001 : 2004

