



AMARA RAJA

Johnson
Controls



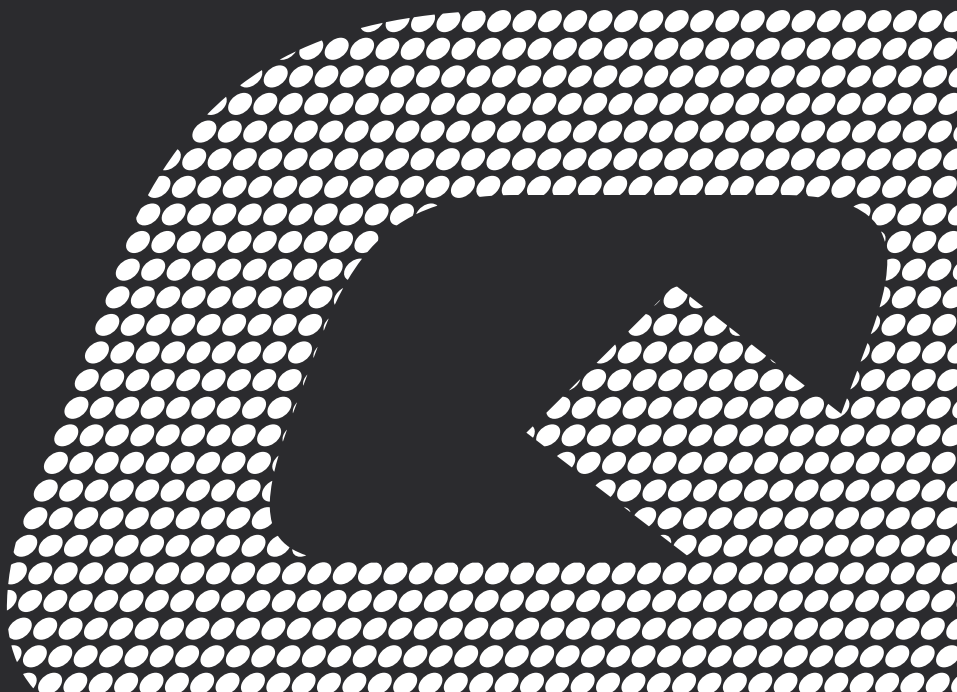
PRASA



AMARON[®] QUANTA

LIFE UNINTERRUPTED

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.

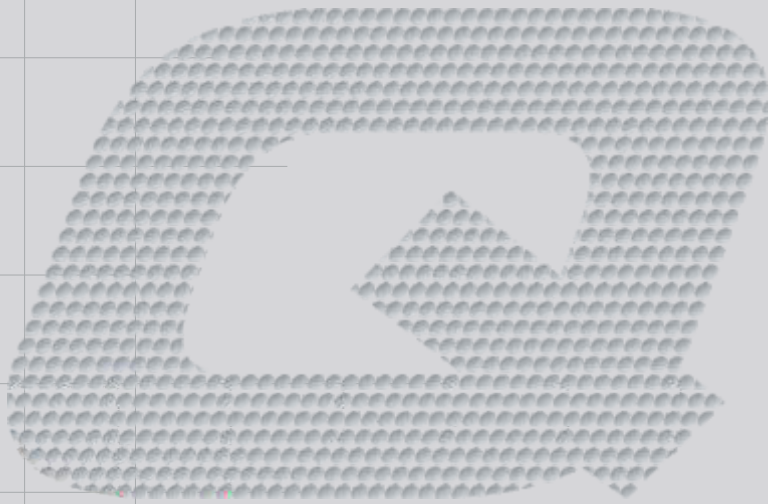


Applications

- ❖ 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



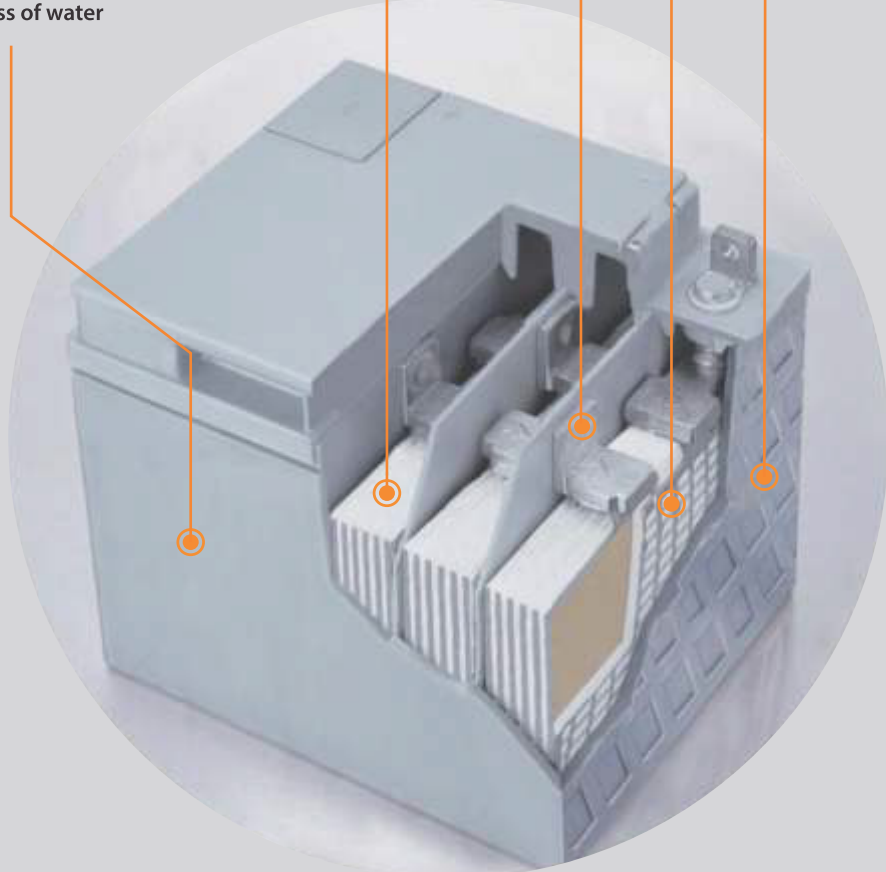
Thicker grids and highest separator compression that prolong life expectancy

Reinforced end walls improve impact resistance

Inter-cell weld between cells, provide a high reliable, low resistance current path

Proven AGM technology that ensures maintenance-free characteristics

PPCP containers with low permeability that ensures no loss of water



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.

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.

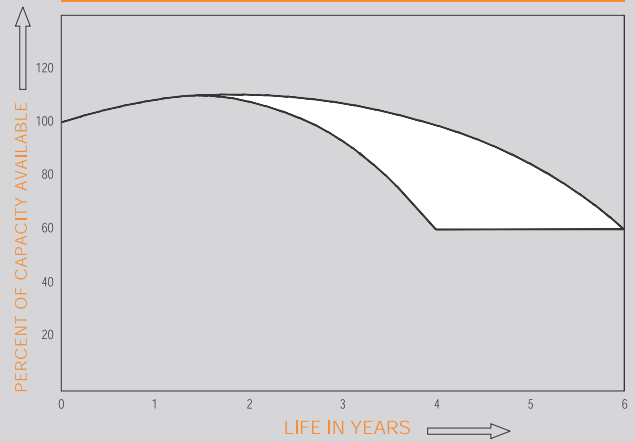
The metallic silver finish gives it a business-like look and feel that blends into the plush office environment.

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

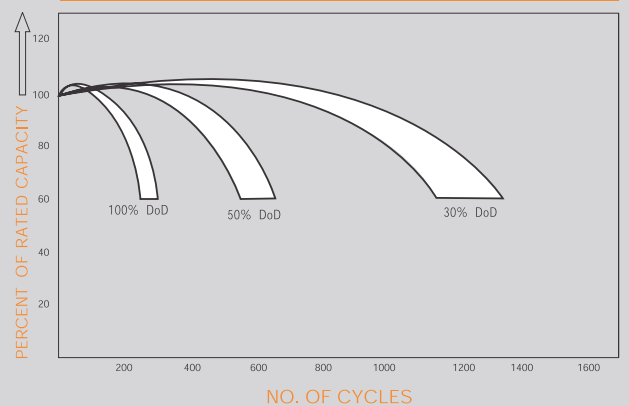
Uninterrupted back-up

Apart from the technology itself, it's our stringent quality norms. Helping us meet them is our ISO 9001 Certified 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.

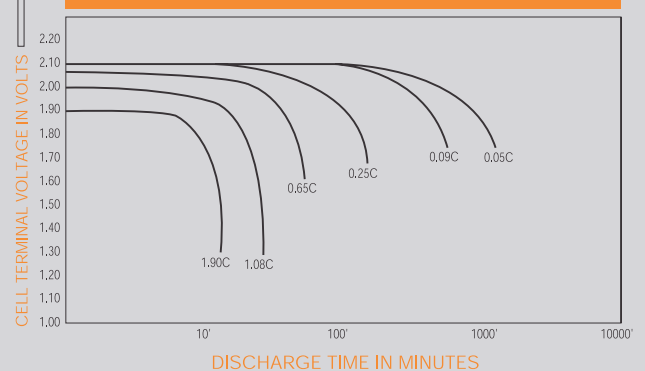
SERVICE FLOAT LIFE EXPECTANCY OF AMARON QUANTA™ BATTERIES



CYCLIC LIFE EXPECTANCY OF AMARON QUANTA™ BATTERIES



DISCHARGE CHARACTERISTICS OF AMARON QUANTA™ BATTERIES



Technical data

Battery Rating	Capacity Ah@ C20hr	Dimensions (±2mm)			Approx Weight (in Kgs) ± 3%	CONSTANT POWER DISCHARGE RATINGS - WATTS AT 27°C (10.5EMV*)										Terminal Type	Poly Material
		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	9.0	673	518	311	198	117	79.5	53.5	29.5	13.5	L terminal (B5)	PPCP	
12V34Ah	34	199	167	175	13.4	880	677	407	259	153	104	70	38.6	17.7	L terminal (B6)	PPCP	
12V42Ah	42	199	167	175	14	1051	821	513	313	183	131	89.5	50.5	23.5	L terminal (B6)	PPCP	
12V65Ah	65	351	167	175	20	1299	1041	640	392	239	169	115	65	29.5	L terminal (B6)	PPCP	
12V84Ah	84	351	167	203	27	2032	1650	951	558	363	271.5	184	103	50.5	L terminal (B6)	PPCP	
12V100Ah	100	393	173	221	32.5	2254	1820	1131	700	433	304	207	119	60.5	M8 X 25mm Copper	PPCP	
12V120Ah	120	393	173	240	36.6	2465	2197	1390	840	520	365	248	143	72.5	M8 X 25mm Copper	PPCP	
12V130Ah	130	445	168	247	42	2886	2365	1482	861	532	394	266	146	77.5	L terminal (B6)	PPCP	
12V150Ah	150	453	173	251	45	3135	2690	1724	1050	649	456	310	178.5	91	M8 X 25mm Copper	PPCP	
12V160Ah	160	445	168	283	52	3552	2911	1824	1060	655	485	327.5	179.5	95.5	L terminal (B6)	PPCP	
12V200Ah	200	541	232	238	61	4476	3803	2466	1381	853	599	408	234	119	M8 X 25mm Copper	PPCP	

>> Also available in 7.2Ah, 9Ah, 12Ah, 18Ah, 28Ah, 70Ah, 75Ah, 105Ah

>> High Wattage Series (HWS) available in 388W, 440W, 540W, 730W (15 Min/cell @ 1.67 ECV) for Data Centers & other float Applications.

>> FR - Poly is available as optional

*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™.**





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AMARA RAJA BATTERIES LIMITED

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Authorized Quanta Alliance (AQuAs):



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

