AMARA RAJA / AMARON İhracat ürün kataloğu

TÜRKÇE | Ürün bilgileri ve teknik başvuru



Bu Türkçe açıklamalı sürüm, gönderilen üretici belgesine dayanılarak Alemdar Enerji için hazırlanmıştır. Orijinal belgenin tüm sayfaları, teknik tabloları ve grafikleri dosyanın sonundaki İngilizce ekte korunmuştur. Üretici onaylı çeviri değildir.

Üretici ve ürün aileleri

Amara Raja, Hindistan'da VRLA teknolojisinin öncülerindendir. Katalog; GNB ile 10 yıllık teknik iş birliğini ve Johnson Controls ile 20 yıllık ortak girişim geçmişini aktarır. Endüstriyel yedek enerji portföyü PowerStack, Sleek, Volt ve Quanta ailelerinden oluşur.

PowerStack | 100–6120 Ah

Modüler yapı, derin deşarj kabiliyeti, kanatlı polipropilen kap, patentli kurşun oksit hamuru, düşük iç dirençli plaka tasarımı ve AGM separatör öne çıkar. Telekom, solar, enerji, sanayi, demiryolu, petrol-gaz ve büyük UPS sistemlerinde kullanılır. Fabrikadan %100 şarjlı gönderilir.

Amaron Sleek | 100 / 150 / 170 / 190 Ah

Gerçek ön erişimli terminaller, yüksek sıcaklık ve derin çevrim koşullarına uygun tasarım sunar. Eurobat uzun ömür sınıfına göre 12 yıldan fazla tasarım tampon ömrü belirtilir. Çift taşıma kolu, otomatik cast-on-strap üretim, düşük dirençli hücreler arası kaynak, Lip & Tongue ısıl sızdırmazlık ve bakır insertli vidalı terminaller kullanılır.

Amaron Volt | 300–5500 Ah

2 V yüksek dayanımlı VRLA ailesi; dış mekan, kırsal, şebekesiz ve kritik tesisler için geliştirilmiştir. Derin deşarj, hızlı yeniden şarj, PSOC çalışma, yüksek enerji yoğunluğu ve bakım gerektirmeyen kullanım

hedeflenir. Perdura ızgara, Ring-n-Lock terminal, Hi-Sorb separatör ve TetraCrys hamur teknolojileri kullanılır.

Amaron Quanta | 7–200 Ah

UPS için endüstriyel SMF akü ailesidir. Korozyona dayanıklı pozitif ızgara alaşımı, düşük iç dirençli Radgrid profili, yüksek şarj kabulü sağlayan Instacharge reçetesi ve düşük kendiliğinden deşarj öne çıkar.

Quanta HWS | 388 / 440 / 540 / 730 W

Veri merkezleri, IT/ITES ve proses sanayisinin kritik yüksek güçlü deşarj uygulamalarına yöneliktir. Üretici; %25'e kadar daha fazla güç, %10 daha hızlı şarj, %10 daha az alan ve %15 daha yüksek özgül enerji karşılaştırmaları bildirir. 1,67 V/hücre son gerilimine kadar deşarj belirtir. Bu oranlar kaynak üretici karşılaştırmalarıdır.

Quanta HUPS | 160 / 200 Ah

Ev, ofis ve solar kullanım için SMF-VRLA serisidir. Derin deşarj ve PSOC koşullarında yüksek çevrim performansı, hızlı şarj, yüksek güç yoğunluğu, düşük kendiliğinden deşarj ve düşük yaşam döngüsü maliyeti hedefler. Kaynak %40'a kadar daha uzun çevrim ömrü bildirir.

Quanta HUPS Tall Tubular

HUPS ve solar kullanım için ayrı bir tüplü plaka ailesidir. Hi-coerce yüksek basınçlı omurga dökümü (>100 bar), Bountiful Boss, Panoptic Spine, Endura cast, Unified Termi Seal ve yüksek aktif madde bütünlüğüne sahip yaş hamur teknolojileri anlatılır. Ev UPS, ofis otomasyonu, internet tesisleri ve solar/hibrit uygulamalara yöneliktir. Kaynakta standart koşullarda 400 W lamba yüküyle 4 saat 15 dakika çalışma örneği verilir; model ve koşullara bağlıdır.

Orijinal teknik ek için Türkçe okuma anahtarı

Model kodları, ölçü birimleri, sayısal tablolar ve üretici grafikleri orijinal biçimleriyle korunmuştur.

İngilizce terim	Türkçe karşılığı
Rated / Nominal capacity	Anma / nominal kapasite
Float / Boost charge	Tampon / yükseltme şarjı
Constant current / power discharge	Sabit akım / sabit güç deşarjı
ECV / VPC	Deşarj sonu hücre gerilimi / hücre başına volt
C10 / C20	10 / 20 saatlik deşarj rejimindeki kapasite
DOD / SOC / PSOC	Deşarj derinliği / şarj durumu / kısmi şarj durumu
Cycle life / design float life	Çevrim ömrü / tasarım tampon ömrü
Length / Width / Height / Depth	Uzunluk / genişlik / yükseklik / derinlik
Weight / Dimensions	Ağırlık / boyutlar
Min / Hr / Hrs	Dakika / saat
Cell / Module / Terminal	Hücre / modül / kutup başı

Takip eden sayfalar: İngilizce üretici belgesinin tam kopyası. Katalog baskı tarihindeki bilgiler geçerlidir; kurumsal rakamlar güncel yıl iddiası olarak değerlendirilmemelidir.

AMARA RAJA

Gotta be a better way

TELECOM

UPS SYSTEMS

POWER

RAILWAYS

SOLAR

HOME

Unbeatable Energy Storage Solutions

ROBUST ENDURING RELIABLE

From the largest manufacturer and the pioneer of standby VRLA batteries in the Indian Ocean Rim

AMARA RAJA
Gotta be a better way

Amara Raja Energy & Mobility Limited- Pioneers in Innovation

At Amara Raja, a bright future is real, living, functioning, and built every day. It is the guiding principle at Amara Raja, powering us to ceaselessly innovate, to explore the new and never-before.

Amara Raja are the pioneer of VRLA- Valve Regulated Lead Acid batteries in India, bringing the first major advancement in battery technology to the country.

Applying its vision to business practices, Amara Raja has consolidated its position in the power management industry as one of the leading players in the Asia-Pacific Region. With a successful 10 year technical collaboration with GNB, USA and a 20 year enduring JV with world leader Johnson Controls Inc. USA, Amara Raja, pioneered the next generation battery technology in India, harnessing technologies that deliver higher power and lasting performance.



POWERSTACK

Amara Raja's Powerstack, is a high performance battery designed to meet the demands of a wide range of industrial applications. The Powerstack range is modular in structure and is capable of accommodating a wide spectrum of capacities depending on the application.

Performance Edge

- Leadership bolstered by proven performance in harsh tropical conditions, since 1989
- Deep discharge capability
- Modular design for ease of installation and stacking flexibility
- Unique Ribbed Design Polypropylene container and cover offering enhanced strength and durability for safe operation
- Patented Lead Oxide paste recipe offering excellent charge acceptance and low-self discharge rate
- Innovative Plate design offers low internal resistance and superior high rate discharge performance
- Advanced AGM separator offering a longer service life and enhanced high rate discharge performance
- 100% charged when shipped from factory
- Widely used in Telecom, Solar, Power, Industry, Railways, Oil & Gas, large UPS backups, etc.



Range 100 AH - 6120 AH

AMARON SLEEK
Hi Life Batteries

Amaron Sleek front terminal batteries are designed with True Front terminals and delivers optimal performance in high temperature conditions and deep cycle usage conditions. Manufactured in world's largest integrated MVRLA plant having state of the art manufacturing facilities, this range is designed to offer superior performance in all power backup requirements.

Performance Edge

- Design Float life of 12+ years in accordance with Eurobat Classification of Long Life battery
- Designed to perform in harsh tropical conditions
- Front terminal Batteries with Truly Front Access Terminals
- Integral Dual handles for easy handling & installation
- Automated State-of-art cast-on strap process ensures consistent High-quality Low electrical resistance welds
- Automated interCell Welding offering low internal resistance
- Lip & Tongue type Heat Sealing to ensure a leak-proof seal
- 100% charged when shipped from factory
- Threaded post copper insert terminals offering high conductivity and torque retention



Range 100 AH /150 AH / 170 AH / 190 AH

AMARON VOLT
Hi Life Batteries

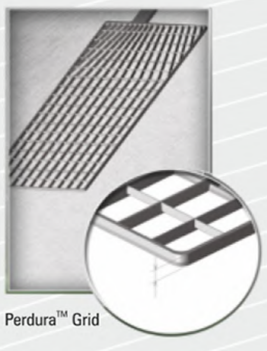
Amaron Volt™, the latest product offering from Amara Raja Energy & Mobility Ltd is the 2V High Integrity Series from Amaron Hi Life Battery range. Amaron Volt™ incorporates the cutting edge technology offering an unbeatable value proposition for the demanding applications in back-up power.

Amaron Volt™ is designed to be a robust, enduring and reliable Battery Fulfilling all your requirements of back-up power for critical applications even in harsh outdoor environs

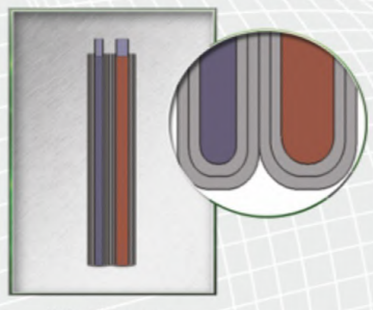


Performance Edge

- Robustness to core, suiting Outdoor / rural /off – grid / Critical Installations
- Highest cyclic life, for most competitive Total cost of ownership (TCO)
- Substantially higher OPEX savings and Lowers carbon footprint
- Excels in PSOC operations to suit Demanding application
- Reliable for maintenance – free operation
- Technology with high energy density
- Best in class deep Discharge – Quick Recharge Characteristics
- Time tested & High end VRLA Technology For Telecom Networks
- World Class Aesthetic and User friendliness


Perdura™ Grid


Ring-n-Lock™ Terminal Design


Hi-Sorb™ Seperator


TetraCrys™ Paste Morphology

Range 300 AH - 5500 AH

AMARON QUANTA™ the industrial segment SMF battery for UPS applications is built to perform. 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™

Performance Edge

- A clutch of design features ensures that AMARON QUANTA™ batteries perform predictably and reliably everytime.
- 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
- Clean and sleek looks

Range 7 AH - 200 AH



AMARON QUANTA™- HWS has been designed to exacting standards at our state of the art facility with an emphasis on reliability which is our hallmark. Uniquely built, AMARON QUANTA™ - HWS promises instant discharge negating the usual downtime in mission critical applications.

Besides ensuring faster charging with high efficiency on resumption of power, together with lower operating costs make AMARON QUANTA™ - HWS an ideal choice for a host of critical power applications, especially in the IT & ITES segment (DATA centers) and Process industries.



Performance Edge

- Delivers up to 25% more power to support high rate discharge application
- Lower IR Values results in 10% quick recharge
- High Volumetric Energy Density, require 10% less space
- 15% high specific energy results in low floor loading
- Batteries can sized and discharges up to 1.67EV

Range 388 W / 440 W / 540 W / 730 W

AMARON QUANTA HUPS
ENERGIZING HOMES

SMF - VRLA

AMARON QUANTA™ - HUPS, is a unique offering specially designed to cater to home, office & solar areas from Amara Raja, backed by 30 years of experience and to suit changing need of customers demand for more cyclic usage from a battery. The product offers higher cyclic life and excels in deep discharge and PSOC operating conditions to deliver enhanced performance.

AMARON QUANTA™ - HUPS range of valve regulated lead acid batteries has been designed to offer superior solutions for the HUPS Application . These ranges are the latest addition to the highly successful, high power density range from Amaron Quanta batteries. It ensures fast charging with high efficiency on resumption of power.

Performance Edge

- Designed to offer superior solution for HUPS Application
- Delivers up to 40% more cyclic life
- Quick Charge Capability
- High Power Density
- Low life cycle cost (TCO & ROI)
- Superior performance in PSOC conditions
- Low self-discharge

Range 160 AH / 200 AH



Uniquely built AMARON QUANTA™ – HUPS Tall Tubular Batteries are specifically designed to offer superior solutions for HUPS and Solar requirements. The perfect choice battery includes all design aspects required for deep cycling and extra backup requirements and offers superior life and ensures high efficiency charging. Latest innovations are featured in manufacturing this battery having Industry 1st ACS Formation process suitable for deep cycling and enhanced performance & reliability for Home & Office use.

AMARON QUANTA HUPS
ENERGIZING HOMES

TALL TUBULAR BATTERY



Key design features

- Hi-coerce™ spine cast: High-pressure spine casting (>100 bar) provides uni-directional grains orientation with micro hardness extradite superior life.
- Bountiful Boss™: Allows rapid charge & delivers high power. Optimized current density & higher conductivity leading to last long.
- Panoptic Spine™: Mitigates corrosion prone zone. provides high life - Really long.
- Endura cast™: Automated cast-on-strap delivers durability & performance.
- Unified Termi Seal™: Rigid & Integrated terminal connectivity provides sustainable strength.
- Satiated wet paste™: Higher active material integrity lowers resistance to deliver consistent power & life.

Major applications

- Home UPS
- Office Automation Equipment
- Internet Housing Sites
- Solar/ Hybrid Applications

Performance Run time of 4 Hr. 15 Min @ 400W Lamp Load*

*under standard conditions

Amaron Solar. The latest offering from the house of Amara Raja to provide power backup solutions for any type of solar power systems.

Performance Edge

Amaron Solar SMF Battery

Presenting Amaron Solar, the industrial segment SMF Battery for solar applications which is built to perform. Sensing the need of enduring and reliable source of solar power, Amara Raja offers the complete range of batteries for solar systems available in the market.



- Suitable for PSOC and deep discharge
- Unique heavy duty corrosion-resistant alloy for positive grids to increase cyclic life in tropical environments
- Radgrid™, profile providing lower internal resistance and performance
- Instacharge™, a patented paste recipe for excellent charge acceptance
- Higher AH and WH efficiency

Range 18Ah to 200Ah

Amara Raja Energy & Mobility Limited
(Formerly known as Amara Raja Batteries Limited)

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ISO 9001 : 2015 | ISO 14001 : 2015 | ISO 45001 : 2018

Contains Lead Please handover at approved waste handling point

Completely Recyclable

Protect eyes from Electrolyte

Electrical Hazard

Read Instructions

Specifications are subject to modification without prior notice

ARE&M/IBD/AB/1223
Design improvement is a continuous process of Amara Raja. As a result, The given battery picture is indicative purpose only, actual may varies.