

Amaron Quanta S-Xel Tubular

After pioneering in VRLA technology, Amara Raja, now brought to you ultra low maintenance free tubular batteries with best in class design with advance manufacturing technology. With decades of experience we gain in battery technology, coupled with continuous research has helped us to bring this highest quality product.

Uniquely built Amaron Quanta tubular batteries has covered all aspects in design, required to give high life beside it ensure fast charge with high efficiency & best in class vent design makes Amaron Quanta tubular, a perfect choice for high cyclic back up requirements.

Design Features & Benefits

- 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 dense & higher conductivity leading to last long
- Panoptic Spine™ – Mitigates corrosion prone zone, provides high life – Really long
- Satiated wet paste™ – Higher active material integrity, lowers resistance to delivers consistent power
- Endura cast™ – Automated cast-on-strap delivers durability & performance
- Unified Termi Seal™ – Rigid & Integrated terminal connectivity provides sustainable strength



Major Applications

- UPS ● Telecommunication ● S & T in Railways ● Process Instrumentation & Control
- Internet Housing Sites ● Office Automation Equipment's ● Power Plants & Substations
- Cable Television Equipment ● Fire alarm & security systems

Amaron Quanta S-Xel Tubular batteries Range: C10hrs Range as per IS 13369

SPECIFICATION TABLE

| Model | Nominal Voltage (V) | Capacity in Ah at C10hr at 27°C at 1.80ECV (conforms to IS 13369) | Approx. Battery Weight ±5% in kgs with Acid | Overall Dimensions ±3 (in mm) | | | Poly Material | Charging current in (A) | |
|----------|---------------------|---|---|-------------------------------|-------|---------|---------------|-------------------------|---------|
| | | | | Length | Width | Height* | | Minimum | Maximum |
| 12ATL66 | 12 | 66 | 29.9 | 410 | 176 | 281 | PPCP | 6.6 | 13.2 |
| 12ATL75 | 12 | 75 | 30.7 | 410 | 176 | 281 | PPCP | 7.5 | 15.0 |
| 12ATL100 | 12 | 100 | 47.5 | 521 | 230 | 281 | PPCP | 10.0 | 20.0 |
| 12ATL120 | 12 | 120 | 49.0 | 500 | 189 | 343 | PPCP | 12.0 | 24.0 |
| 12ATL130 | 12 | 130 | 50.0 | 500 | 189 | 343 | PPCP | 13.0 | 26.0 |
| 12ATL150 | 12 | 150 | 58.0 | 500 | 189 | 397 | PPCP | 15.0 | 30.0 |
| 12ATL180 | 12 | 180 | 63.0 | 500 | 189 | 397 | PPCP | 18.0 | 36.0 |
| 12ATL200 | 12 | 200 | 68.5 | 500 | 189 | 397 | PPCP | 20.0 | 40.0 |

*H : Height up to terminal top for all ratings

Product Details

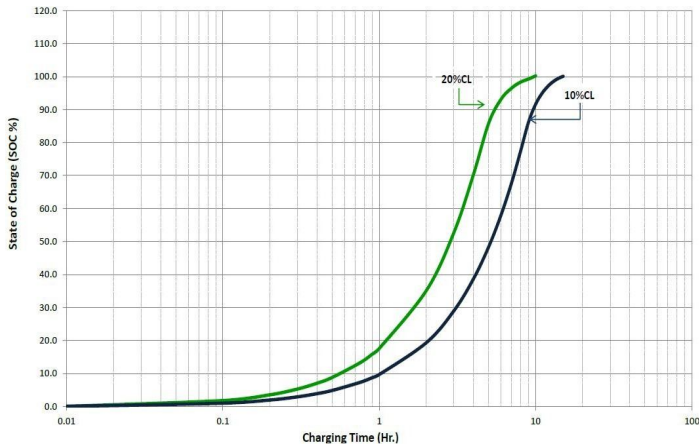
| | |
|--|-------------------------------------|
| Type of +ve plate | Tubular |
| Type of -ve plate | Flat Pasted |
| AH efficiency | > 90% |
| WH efficiency | >80% |
| Terminal Type | L-Terminal with Antimony Lead Alloy |
| Self-discharge for 28days | ≤5% (As per IS13369 ≤10%) |
| Recommended Max period of storage | Max. 60days at 27°C |
| Electrolyte specific gravity of the end charge at 27°C | 1.24 |
| Electrolyte specific gravity of the end discharge | 1.13 |

Charging Parameters

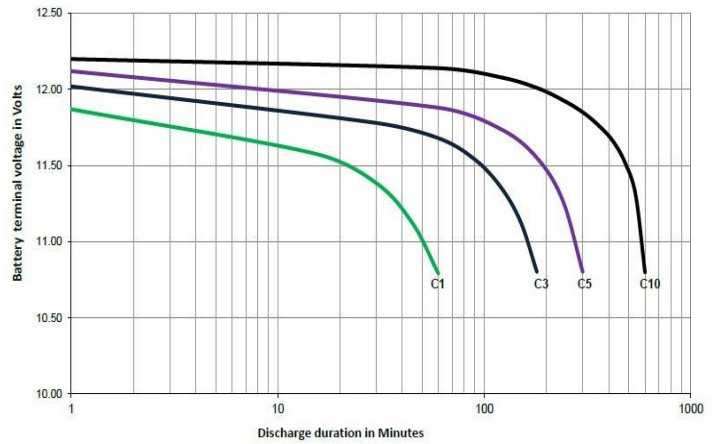
Constant Voltage charging at 27°

- Dual Mode Charge
- The charging facility should have auto float change over and charge mode facilities with the recommended voltage settings
- Float Voltage - 14.4 ± 0.1V /battery
 - Boost Voltage - 15.0 ± 0.1V /battery
 - Over cutoff voltage - 15.2V
 - Under cutoff voltage - 10.5V

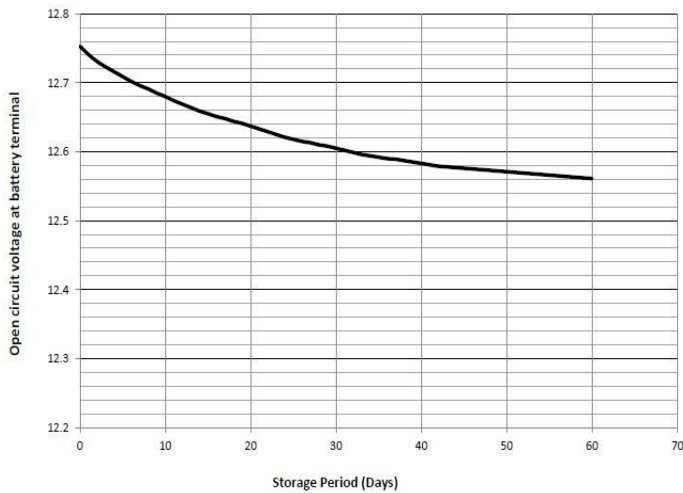
Constant voltage charging characteristics with 14.4V at 27°C



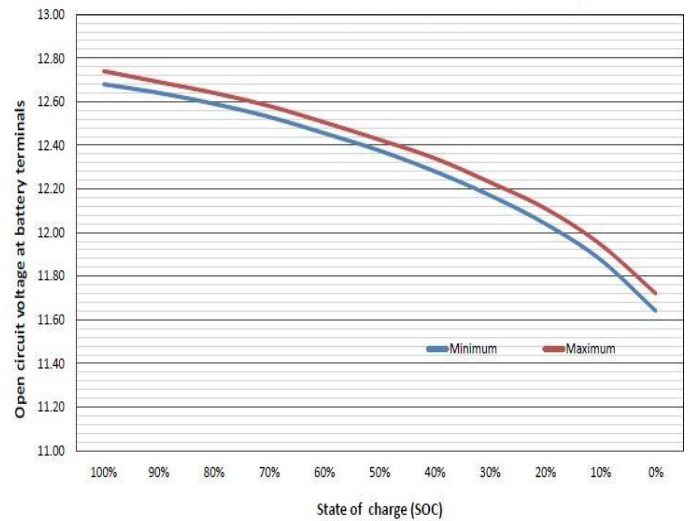
Discharge Characteristics



Shelf Life Characteristics at 27°C



State of charge (SOC) Vs Open Circuit Voltage (V)



Glimpse of Advanced Manufacturing Technology :



Red Lead Mfg.



Pressure Die Casting



Acid Circulated formation

Reach us :

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