

## 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

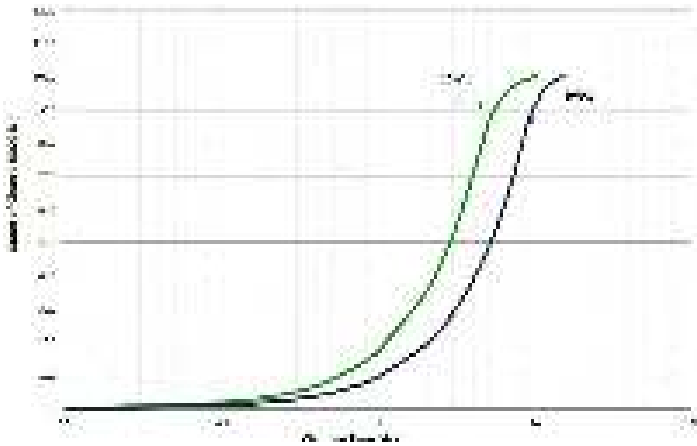
Type of +ve plate	Tubular
Type of -ve plate	Flat Pasted
AH efficiency	> 90%
WH efficiency	>80%
Terminal Type	L-Terminal with Antimony Lead Alloy
Self-discharge for 28days	≤5% (As per IS13369 ≤10%)
Recommended Max period of storage	Max. 60days at 27°C
Electrolyte specific gravity of the end charge at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

## Charging Parameters

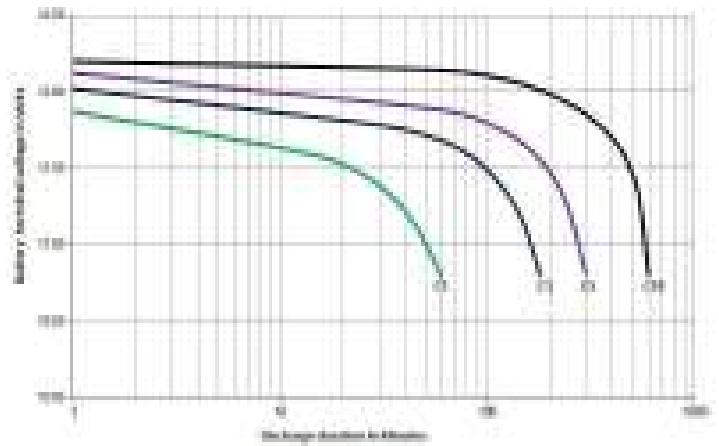
### Constant Voltage charging at 27°

- 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

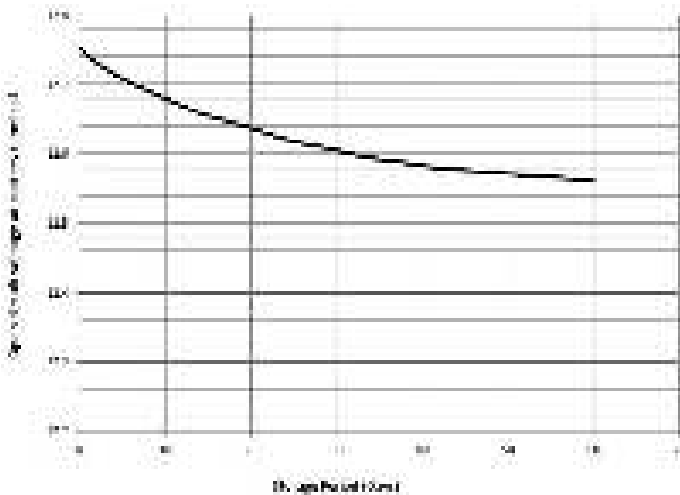
**Constant voltage charging characteristics with 14.4V at 27°C**



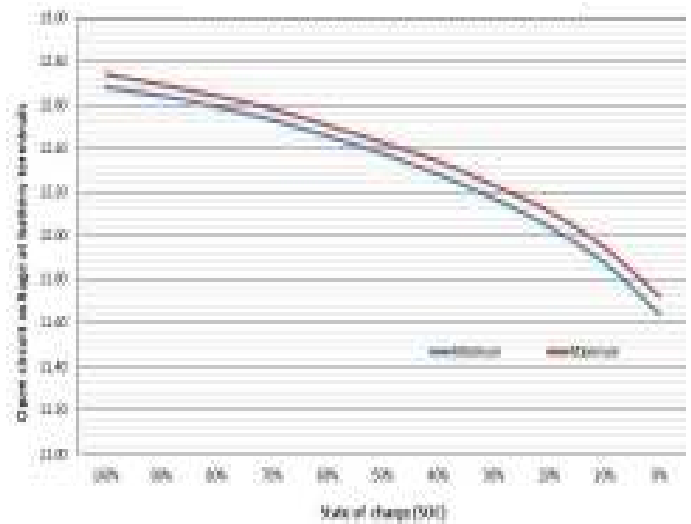
**Discharge Characteristics**



**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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