

Solar systems are the most demanding applications for the battery and the correct choice of battery is fundamental to the integrity of the entire system. Batteries are subjected to high and low temperatures, unpredictable charging, daily cycling as well as potentially partial states of charges. The selection of the right battery for the right application is of utmost importance in order to maximize the battery life. Sensing the need of this enduring and reliable source of power, Amara Raja not only offers the complete range of Solar batteries available in the market but also provides expert advice on the choice of battery to suit your particular application.

Presenting Amaron Quanta Solar, the industrial segment SMF battery for Solar applications is built to perform. In short, the lifeline to your Solar 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.

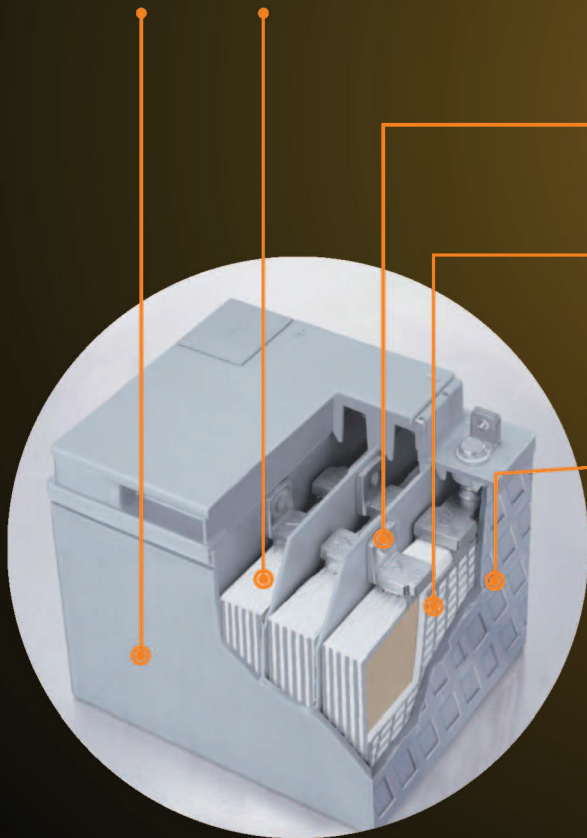
PPCP containers with low permeability that ensures no loss of water

Proven AGM technology that ensures maintenance-free characteristics

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

Thicker grids and highest separator compression that prolong life expectancy

Reinforced end walls improve impact resistance



PERFORMANCE FEATURES:

- Robust, safe and reliable
- 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
- Low self-discharge rates ensures high charge retention
- Design Float Life of 10 Years
- Clean and sleek looks
- Higher AH and WH efficiency
- Longer service life

QUALITY EDGE:

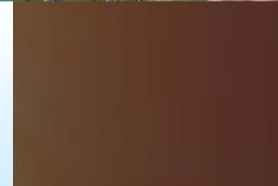
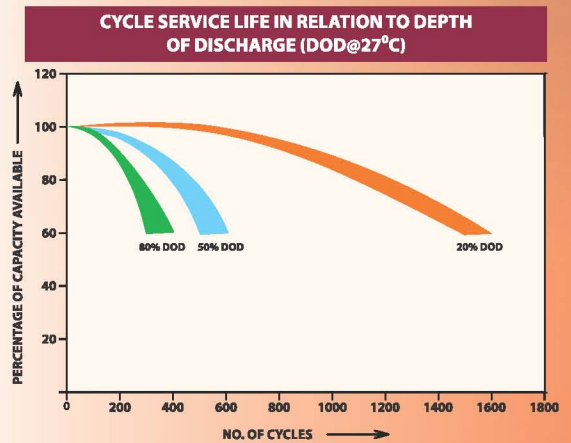
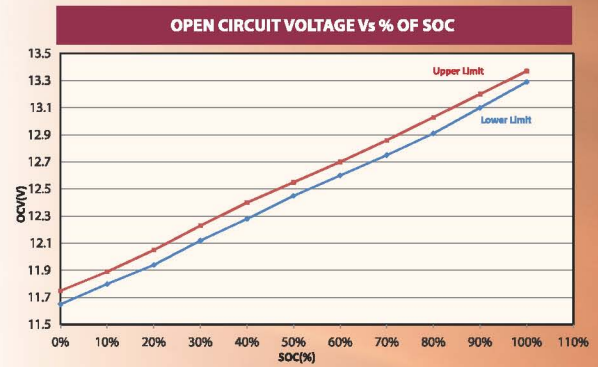
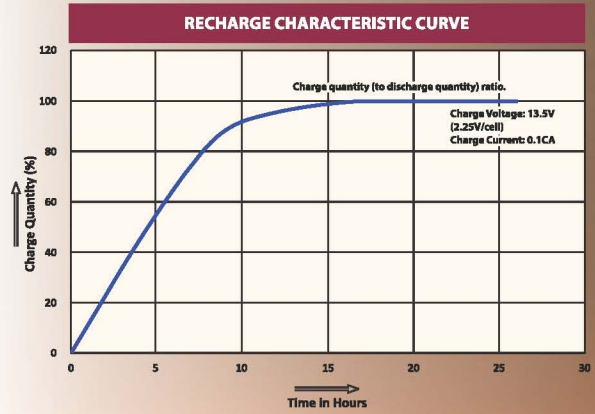
- ISO 9001 AND ISO/TS 16949 certified by RWTUV
- ISO 14001 certification signifying the environmental consciousness
- OHSAS 18001 certified
- Implementation of Kaizen, Six Sigma programs

PRODUCT APPROVALS:

- Conforms to IS 15549:2005
- Conforms to international standards- JIS 8702C
- UL approved
- DGS&D approved
- MNRE approved
- Conforms to IEC60896

APPLICATIONS:

- Solar Lantern • Solar Street Light • Solar Home Light
- Rural Electrification • Traffic Light • Telecommunication
- Offshore Platforms • Railway Signaling • Hybrid Power Plant
- Navigation Aids



METHOD: CONSTANT POTENTIAL CURRENT LIMITED

Charge provision	Charging voltage	Maximum charging current (Amps)
Dual Mode charge:		
Float charge	13.5±0.1V	0.2C
Boost charge	13.9±0.1V	0.2C
Single mode charge:		
Fixed voltage charge	13.7±0.1V	0.2C

MODULE SPECIFICATION

Model	Nominal Voltage (V)	Nominal Capacity at 27°C at 10.50 EMV		Length ±2mm	Width ±2mm	Height ±2mm	Weight in Kgs ±5%
		AH @ C20	AH @ 10				
12SL026	12	26	20	167	126	175	9.0
12SL042	12	42	40	199	167	175	14.0
12SL065	12	65	60	351	167	175	20.0
12SL080	12	84	75	351	167	203	27.0
12SL100	12	100	90	393	173	221	32.5
12SL120	12	120	110	393	173	240	36.6
12SL130	12	130	120	445	168	247	42.0
12SL150	12	150	140	453	173	251	45.0
12SL160	12	160	150	445	168	283	52.0
12SL200	12	200	185	556	186	263	62.0

To enhance life of battery the design parameters of Panel and operating environments should meet the Charge Balance more than or equal to 125% (i.e ratio of Kwh in and Kwh out)

Also available in 7.2 AH





DIN EN ISO 9001: 2008
ISO/TS 16949: 2009
ISO 14001: 2004
OHSAS 18001: 2007



Contains Lead. Please handover at approved waste handling point



Electrical Hazard



Completely Recyclable



Read Instructions



Protect eyes from Electrolyte



AMARA RAJA

Johnson Controls



AMARA RAJA BATTERIES LIMITED

(An Amara Raja Johnson Controls Company)

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