



AMARA RAJA
Gotta be a better way

tribal[®]

NO SPILLS
LESS BILLS



From the House of
AMARON



Introducing Tribal[®], the SMF battery for **INVERTER / HUPS** applications with high performance and greater reliability. Tribal[®] is a fail safe, fool proof battery, produced and tested in our premier manufacturing facility. Built to the highest technical competence in its class, the Tribal[®] is an example of Amara Raja's commitment to bringing the best in technology to your table. It features several firsts for the battery industry like the unique Radgrid[™] profile is one of them.

As a company that is known for its obsession with technology, Amara Raja has been behind some of the best innovations in technology that India has seen. Our VRLA- Valve Regulate Lead Acid batteries for example, were India's first major advancement in battery technology.

TECHNICAL SPECIFICATIONS

Battery Type	Nominal Voltage(V)	Dimensions (mm)			Weight ±5% (Kg)	Terminal Type	Energy Density (Wh/l)	Specific Energy (Wh/kg)
		Length ±2	Width ±2	Height ±2				
TR SMFAR 100R	12	441	167	216	35.0	L Terminal (B6)	75.4	34.3
TR SMFAR 130R	12	445	168	247	42.0	L Terminal (B6)	84.5	37.1
TR SMFAR 160R	12	445	168	283	52.0	L Terminal (B6)	90.7	36.9
TR SMFAR 200R	12	556	186	263	62.0	M8X25mm copper	88.2	38.7

Design Features	User Benefits
Sealed Maintenance Free VRLA technology	Does not emit acid fumes. Environment friendly.
AGM separator	No Topping-up, better oxygen recombination efficiency & user friendly.
Innovative Radgrid™ with patented heavy duty alloy for positive grids	Increases cyclic life with superior high rate discharge performance, reduces regular replacement of batteries.
Instacharge™ a patented paste recipe	Quick recharge capability, suitable for frequent power cut area.
Modular design with low foot print	Suitable for homes, offices and business centers.
Robust design with Lip and Tongue heat sealing for container integrity	Hermetically sealed and no spillage of acid. Suitable to install anywhere inside the home/office/Business centres.
Rugged Flappon™ terminal protector	Prevents external short circuit - provides higher safety.

RUN TIME FOR TRIBAL SMF BATTERY WITH FULL LOAD

675 - 1500 VA

UPS Rating	675 VA	700 VA	825 VA	880 VA	900 VA	1400 VA	1500 VA
Battery (12 V)	1 no	1 no	1 no	1 no	1 no	2 nos	2 nos
TR SMFAR 100R	90 min	90 min	65 min	65 min	60 min	90 min	55 min
TR SMFAR 130R	120 min	120 min	95 min	95 min	90 min	120 min	85 min
TR SMFAR 160R	150 min	150 min	115 min	115 min	110 min	150 min	100 min
TR SMFAR 200R	200 min	200 min	155 min	155 min	150 min	200 min	135 min

2.0 - 10.0 kVA

UPS Rating	2.0 kVA	2.5 kVA	3.0 kVA	3.5 kVA	5.0 kVA	5.0 kVA	7.5 kVA	10.0 kVA
Battery (12 V)	2 nos	4 nos	4 nos	4 nos	4 nos	8 nos	10 nos	15 nos
TR SMFAR 100R	60 min	90 min	70 min	60 min	25 min	70 min	60 min	70 min
TR SMFAR 130R	90 min	110 min	105 min	90 min	45 min	105 min	90 min	105 min
TR SMFAR 160R	105 min	145 min	130 min	110 min	55 min	120 min	105 min	130 min
TR SMFAR 200R	140 min	180 min	160 min	150 min	75 min	160 min	140 min	160 min

Note: Run time may vary based on battery state of charge /age. Details given above are refer to tribal HUPS, Please refer UPS Leaflet / Catalogue for other makes load details.



Charging Instructions for 12V battery at 27°C :

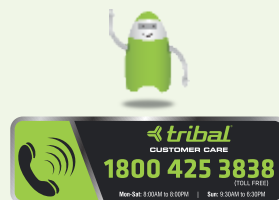
- Float Voltage : 13.5 ± 0.1Volts
- Boost Voltage : 14.1 ± 0.1Volts
- Charging current : Min.10% of Battery Ah capacity
- Connector/Cable size : 2Amps/sq.mm
- Temperature Compensation – 18mv/battery/°C



AMARA RAJA ELECTRONICS LIMITED

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Quality Systems Certified to
EN ISO 9001 : 2008
EN ISO 14001 : 2004