

**TODRE**

# AGM VRLA BATTERY

ABSORBENT GLASS MATT - VALVE REGULATED  
LEAD ACID BATTERY



**Stable  
Performance**

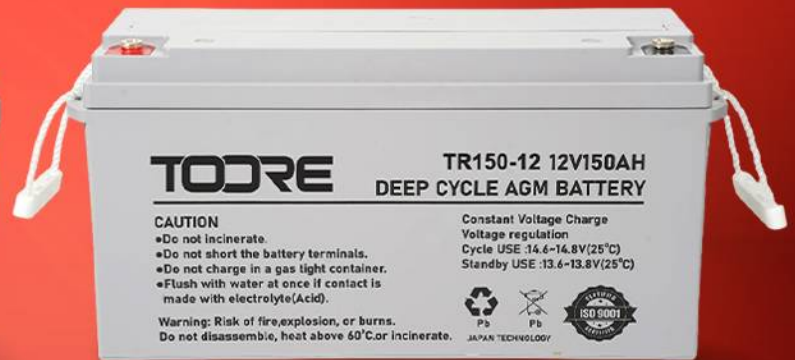


**Long  
Service Life**

Specifically designed for applications that require repeated discharge and refill. These batteries are widely used in renewable energy systems such as solar power, off-grid energy storage systems, and other applications that require long-term energy storage.

**INDOTARA**





**Stable Performance**



**Long Service Life**



**High Charging Efficiency**

## AGM - VRLA BATTERY ABSORBENT GLASS MATT - VALVE REGULATED LEAD ACID BATTERY

Designed for deep discharge without damaging internal elements, these batteries are ideal for repeated charge and discharge cycles. Does not require periodic maintenance such as filling water, making it suitable for remote applications. Closed type that is safe for a variety of applications, including indoors or in vehicles. High efficiency in charging and discharging ensures consistent energy supply. Designed for use in vehicles, boats, or applications requiring physical durability. Especially Gel batteries, suitable for extreme temperatures without significant performance degradation. AGM batteries can be recharged more quickly and efficiently than conventional batteries.

## AGM VRLA BATTERY

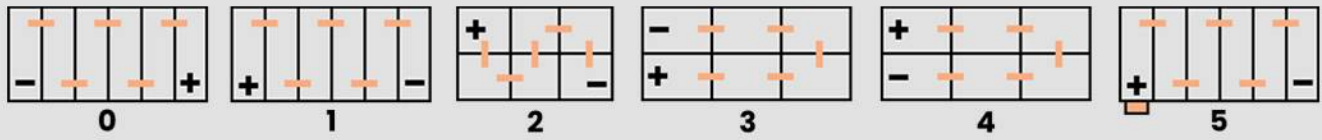
Model	Nominal Voltage (V)	Rated Capacity (AH) 20Hrs/25°C	Approx Weight.		Dimension							
			Kg	lbs	Length		Width		Height		Total height	
					mm	inch	mm	inch	mm	inch	mm	inch
TR 12v-7Ah	12	7	2.2	4.84	151	5.94	65	2.56	94	3.7	100	3.94
TR 12v-12Ah	12	12	3.65	8.03	151	5.94	98	3.86	94	3.7	100	3.94
TR 12v-18Ah	12	18	5.5	12.1	181	7.13	77	3.03	167	6.57	167	6.57
TR 12v-20Ah	12	20	5.8	12.76	181	7.13	77	3.03	167	6.57	167	6.57
TR 12v-22Ah	12	22	6.5	14.3	181	7.13	77	3.03	167	6.57	167	6.57
TR 12v-24Ah	12	24	8.1	17.82	166	6.54	126	4.96	174	6.5	181	7.13
TR 12v-28Ah	12	28	8.9	19.58	175	6.89	166	6.54	125	4.92	125	4.92
TR 12v-33Ah	12	33	10.2	22.44	196	7.7	131	5.16	155	6.1	180	7.09
TR 12v-35Ah	12	35	10.4	22.88	197	7.76	130	5.12	163	6.42	180	7.09
TR 12v-40Ah	12	40	13.5	29.7	197	7.73	166	6.54	174	6.85	181	7.13
TR 12v-44Ah	12	45	14.5	31.9	197	7.73	166	6.54	174	6.85	181	7.13
TR 12v-55Ah	12	55	16.2	35.64	230	9.06	138	5.43	211	8.3	229	9.01
TR 12v-55Ah	12	55	16.2	35.6	229	9.01	211	8.3	230	9.06	138	5.43
TR 12v-65Ah	12	65	20.5	45.1	350	19.8	166	6.54	179	7.05	179	7.05
TR 12v-65Ah	12	65	20.5	45.1	179	7.05	179	7.05	350	13.8	166	6.54
TR 12v-70Ah	12	70	23.4	51.5	260	10.2	169	6.65	211	8.3	215	8.46
TR 12v-80Ah	12	80	23.4	51.5	260	10.2	169	6.65	211	8.3	229	8.46
TR 12v-80Ah	12	80	22.5	46.5	179	7.05	179	7.05	350	13.8	169	6.54
TR 12v-90Ah	12	90	27	59.4	307	12.1	169	6.65	211	8.3	215	8.46
TR 12v-100Ah	12	100	31.1	65.42	331	13.03	173	6.81	213	8.39	233	8.46
TR 12v-100Ah	12	100	32.6	71.72	330	13.03	173	6.81	213	8.39	233	6.54
TR 12v-120Ah	12	120	36.5	80.3	407	16	174	6.85	209	8.23	233	8.46
TR 12v-134Ah	12	134	41	90.2	341	13.43	173	6.81	283	11.14	287	9.17
TR 12v-150Ah	12	150	45	99	484	19.1	171	6.73	241	9.49	241	9.17
TR 12v-180Ah	12	180	56.5	124.3	522	20.6	240	9.45	216	8.5	240	9.17
TR 12v-200Ah	12	200	64	140.8	522	20.6	240	9.45	216	8.5	240	11.3
TR 12v-230Ah	12	230	69.5	152.9	520	20.5	268	10.55	220	8.66	240	9.49
TR 12v-250Ah	12	250	75.5	166.1	520	20.5	268	10.55	220	8.66	243	9.57
TR 12v-300Ah	2	300	18.8	41.4	171	6.7	151	5.9	330	13	366	14.4
TR 12v-350Ah	2	350	24.5	53.9	211	8.31	176	6.92	331	13	356	14
TR 12v-400Ah	2	400	26.7	58.7	210	8.27	176	6.93	329	13	366	14.4
TR 12v-500Ah	2	500	31	68.2	242	9.5	172	6.8	331	13	366	14.4
TR 12v-600Ah	2	600	38	83.8	301	11.9	175	6.89	331	13	366	14.4
TR 12v-800Ah	2	800	53	116.6	410	16.1	175	6.89	330	13.3	365	14.4
TR 12v-1000Ah	2	1000	63	138.6	475	18.7	175	6.89	330	12.99	356	14.02
TR 12v-1500Ah	2	1500	101	223	401	15.8	351	13.8	342	13.5	369	14.5
TR 12v-2000Ah	2	2000	132	290	491	19.3	351	13.8	343	13.5	369	14.5
TR 12v-3000Ah	2	3000	195	430	710	28	352	13.9	342	13.5	369	14.5

### Efficient Energy Storage Solutions

With these various specifications, DEEP CYCLE AGM/GEL SOLAR BATTERIES offers flexible, efficient and reliable energy storage solutions for various applications.



## BATTERY TERMINAL LAYOUT



## BATTERY TERMINAL TYPE

	Standard SAE Terminal	Thin Post	Dual-Fit Terminal	4F	Screw Terminal	Side Terminal	Top Post
Positive Terminal							
Negative Terminal							

## BOTTOM OF THE BATTERY IS FIXED

B1		10.5 mm on long sides only	B9		Stots on long sides, 29.0mm on short sides
B2		3 notches 19.0mm on long sides only	B9 (22)		Stots on long sides, 29.0mm on short sides
B6			B13		10.5mm on all four sides
B8		13.5mm on long sides only	B14		19.0mm on long sides, 10.5mm on short sides

**WARNING!**

- Replacement of battery shall be performed as per following order. If failed, it may cause fire and explosion. Remove cable from negative terminal first. Connect cable to negative terminal last.
- When connecting cable to battery, make sure not to get changed post of + and -. It may cause the damage of electronic components or fire.
- When using the battery, handle with care, sulphuric acid may cause blindness or severe burn.



**FLAMMABLES**



**SHIELD EYES**



**KEEP OUT OF THE REACH OF CHILDREN**



**CAUTIONS OF SULFURIC ACID**



**READ INSTRUCTION MANUAL CAREFULLY**



**EXPLOSIVE**

**DANGER/POISON**



**BATTERY, WET, FILLED WITH ACID  
UN2794**



EYE SHIELD, EXPLOSIVE GAS CAN CAUSE BLINDNESS OR INJURY, PROTECT YOUR EYES. EXPLOSIVE GASES MAY CAUSE BLINDNESS OR INJURY.



NO SPARKS, FLAMES OR SMOKING. DO NOT GET BURNED.



SULFURIC ACID CAN CAUSE BLINDNESS OR SEVERE BURNS.



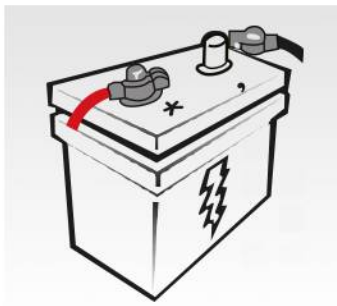
MEDIATELY FLASH YOUR EYES WITH WATER. GET MEDICAL HELP QUICKLY.

KEEP OUT OF REACH OF CHILDREN. DO NOT PICK UP. DO NOT OPEN THE BATTERY. DO NOT PUT IN A BAG. DO NOT REMOVE THE BATTERY. MAKE SURE THAT THE BATTERY DOES NOT DOWN QUICKLY. DO NOT TILT OR SHAKE THE BATTERY.

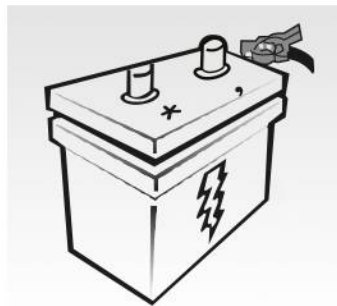
**HOW TO REPLACE BATTERY**



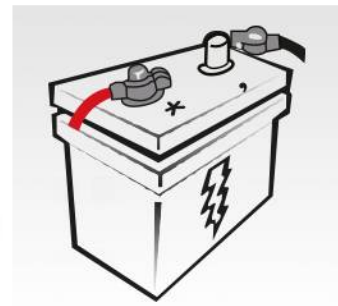
Switch off the engine & keep sparks, flames, cigarettes away from battery at all times, before removing the old battery.



Disconnect the negative terminal first, and avoid short-circuit caused by tools, when removing old battery.



Clean corroded parts in tray and cable clamps, before installation of new battery.



Connect the positive terminal first, and check the terminal clamps for tight fit, when installing new battery.



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