

O.E.Customer	Model Number	Rating
Hyundai(Santro)	38B20R	12V 35Ah
Maruti Udyog Ltd(Wagon R)	38B20L	12V 35Ah
Maruti Udyog Ltd(Swift)	38B20R	12V 35Ah
GMIL(Tavera)	80D26R	12V 60Ah
GMIL(Optra)	55D23R	12V 55Ah
Ashok Leyland(Goods)	75D31R	12V 75Ah
Ashok Leyland(Passenger)	HCVX00D04R	12V 150Ah
Ashok Leyland(Goods)	HCV500D31R	12V 80Ah
M&M(Scor./Comm./Marshall)	65D26R	12V 65Ah
M&M(Bolero)	75D31L	12V 75Ah
M&M(Champion)	48D26R	12V 50Ah
M&M(Tractors-All Types)	TRA500D31L	12V 75Ah
HONDA(City)	34B19L	12V 32Ah
HONDA(Accord)	55B24L	12V 60Ah
TELCO(Ace-Cub)	38B20L	12V 35Ah
TELCO(207DI/Sumo/Variants)	75D31R	12V 75Ah
TELCO(Safari-CRDI)	95D31R	12V 80Ah
TELCO(Telco709/907)	HCV700H29R	12V 100Ah
TELCO(1613)	HCV800D04R	12V 120Ah
TELCO(1313/1512)	HCVX00D04R	12V 150Ah
SWARAJ MAZDA(Truck)	75D31R	12V 75Ah
HML-Kolkata(Ambasador-D)	75D31R	12V 75Ah
HML-Kolkata(Ambasador-P)	55D26R	12V 60Ah
HML-Chennai(Lancer-P)	38B20L	12V 35Ah
HML-Chennai(Lancer-D)	95D31L	12V 80Ah
EICHER Tractors(For Available Models)	TRA500D31R	12V 75Ah
INTERNATIONAL Tractors	TRA500D31R	12V 75Ah
DCIL	MB-2A-600048076	12V 100Ah
FIAT	DIN50	12V 50Ah
FORD(Ikon-D)*	Din43	12V 43Ah
FORD(Ikon-P)*	Din36	12V 36Ah
FORD(Endeavour-D)*	95D31R	12V 80Ah

Technical Specifications

General Parameters

Type of Battery	Valve Regulated Lead Acid (VRLA)
Discharge Rating	Batteries are rated at 5 hour rate of discharge
End Cell Voltage	1.7 V DC
Design Temperature	30 degree C
Battery Specification	Conforms to IS 5154:1980 for performance,also conforms to IEEE 1188:1996 and IEC

Physical Parameters

Type of plates	Flat pasted
Alloy Type	patented High Purity MFX alloy
Container Material	Polypropylene co-polymer
Separator	Micro-porous Absorptive Glass Matrix (AGM)
Sealing method	Hermetic Heat Sealing technique
Terminal Post	Built in copper insert
Cell interconnection	Through flexible elastometric cable
Tray material	mild steel coated with acid resistant paint

Performance Parameters

Energy density(Wh/Kg)	~ 31
Life Cycle (80% DoD)	800 to 1200 cycles
Cell short circuit capacity	~ 50 times the normal discharge current @ C5
Self Discharge rate	Less than 1% per week
Efficiency of cells	
Ah	~95%
Wh	~80%

Test Parameters

Product Safety	UL certification for safety
Vibration	Tasted for
	Acceleration 2.57 G
	Amplitude 5 mm
	Frequency 5-150 HZ

System Compatability Chart

Macniel Products							
S.No.	Truck Model	Voltage	Ah Capacity to 1.7 V@ C5@ 30degree C		Dimension in mm (=/-2 mm)		
			Required	Equivalent BRUTE Normal Duty	L	W	H
1	Ranger 1010	48	300	5BR2F14106N	903	699	480
2	Ranger 1015	48	385	5BR2F34106N	830	700	480
3	Ranger 1020	48	443	5BR2F54106N	914	685	500
4	Ranger 1020(optional)	48	516	5BR2F74106N	895	705	550
5	Ranger 1025	72	300	5BR3F16106N	984	900	500
6	Ranger 1025(optional)	72	385	5BR3F36106N	984	909	500
7	Ranger 1030	72	385	5BR3F36106N	984	909	500
8	Ranger 1030(optional)	72	443	5BR3F56106N	983	900	543
9	Hi-Stack 1010	24	224	5BR1S12104N	466	491	380
10	Hi-Stack(optional)	24	224	5BR1S92005N	438	517	392
11	Hi-Stack 1005&1110 Hi-Lift 1008(without tilting)	24	224	5BR1S92005N	570	340	410
12	Hi-Lift 1008(with tilting)	24	224	5BR1S92005N	360*	300	400
13	Commutor	24	166	5BR1S92004N	**665/685	185	567
14	Transloader	48	300	5BR2P14106N	***965	330	450
15	Hi-Reach	24	645	5BR1S52205N	L1=492* L2=219	W1=462 W2=176	840
16	Tow Master	48	160	5BR2P94004N	840	495	350

Product							
S.No.	Truck Model	Voltage	Ah Capacity to 1.7 V@ C5@ 30degree C		Dimension in mm (=/-2 mm)		
			Required	Equivalent BRUTE Normal Duty	L	W	H
1	EC70(3T)	72	443	5BR3F56106N	983	895	543
2	GO50E/Go75E	36	300	5BR1F18105N	L1=820 L2=500	W1=550 W2=400	400
3	Go75E/G100E(S)	36	385	5BR1F38106N	L1=820 L2=500	W1=550 W2=400	450
4	G 100E(S)	36	443	5BR1F58106N	L1=830 L2=500	W1=475 W2=150	450
5	G 100E(L)	36	443	5BR1F18108N	795	570	530
6	G 150E	36	443	5BR1F58106N	994	470	500
7	G200E	36	578	5BR1F38109N	994	640	540
8	EC40	36	664	5BR1F18206N	860	831	450
9	EC40(1)	36	664	5BR1F18206N	997	639	450
10	2.0T FLT	36	600	5BR1F38109N	994	640	540

11	2.0T FLT	48	470	5BR2F54106N	914	685	500
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Voltas Products							
S.No.	Truck Model	Voltage	Ah Capacity to 1.7 V@ C5@ 30degree C		Dimension in mm (=/-2 mm)		
			Required	Equivalent BRUTE Normal Duty	L	W	H
1	1.5T FLT	36	553	5BR1F78106N	995	555	450
2	2.0T FLT	36	664	5BR1F18206N	997	639	450
3	2.5T FLT	36	775	5BR1F78109N	997	640	574
4	3.0T FLT	48	443	5BR2F54106N	914	685	500

FTS Products							
S.No.	Truck Model	Voltage	Ah Capacity to 1.7 V@ C5@ 30degree C		Dimension in mm (=/-2 mm)		
			Required	Equivalent BRUTE Normal Duty	L	W	H
1	2.0T FLT	48	433	5BR2F54106N	914	685	500
2	3.0T FLT	72	385	5BR3F36106N	984	909	500
3	Pallet truck	24	166	5BR1P92004N	**665/ 685	185	567
4	Platform truck	36	300	5BR1F38105N	994	455	390
5	Platform truck	36	188	5BR1F98005N	991	341	390
6	Stacking truck	24	224	5BR1S12104N	466	491	380
7	Padestal Electric truck	24	224	5BR1F92005N	570	340	410

Josts Products							
S.No.	Truck Model	Voltage	Ah Capacity to 1.7 V@ C5@ 30degree C		Dimension in mm (=/-2 mm)		
			Required	Equivalent BRUTE Normal Duty	L	W	H
1	EJC/EJE Stackers	24	199	5BR1S12104N	**665/685	223	572
2	Jumbo Electric(3Wheeler)	30	289	5BR1F95006N	816	341	450
3	Jumbo Electric(3Wheeler) (optional)	30	289	5BR1F15105N	820	350	
4	Jumbo Electric(3Wheeler)	30	199	5BR1F95005N	814	341	390
5	Jatruck(4-wheeler)	36	299	5BR1F38105N	994	455	390

Jaldoot Products							
S.No.	Truck Model	Voltage	Ah Capacity to 1.7 V@ C5@ 30degree C		Dimension in mm (=/-2 mm)		
			Required	Equivalent BRUTE Normal Duty	L	W	H
1	4 Wheeler Platform Truck	36	300	5BR1F38105N	994	455	390
2	Commutor	24	166	5BR1P92004N	**665/685	185	567
3	Commutor	24	199	5BR1S12104N	**665/685	223	572
4	3 Wheeler Platform Truck	30	300	5BR1F95006N	816	341	450
5	3 Wheeler Platform Truck	30	200	5BR1F95005N	814	341	390

Baka Products							
S.No.	Truck Model	Voltage	Ah Capacity to 1.7 V@ C5@ 30degree C		Dimension in mm (=/-2 mm)		
			Required	Equivalent BRUTE Normal Duty	L	W	H
1	EGV (1000/1250/1600/200)Kgs	24	199	5BR1S92004N	685	185	530
2	EGV (1000/1250/1600/200)Kgs	24	227	5BR1S92005N	780	185	530
3	EGV (1000/1250/1600/200)Kgs	24	273	5BR1S92006N	900	185	530
4	EGV/EGI (3000 Kgs)	24	273	5BR1S12105N	780	223	572
5	EGV/EGGTI (1600/1000/1600) Kgs	24	135	5BR1P92004N	685	185	530

Maini Products							
S.No.	Truck Model	Voltage	Ah Capacity to 1.7 V@ C5@ 30degree C		Dimension in mm (=/-2 mm)		
			Required	Equivalent BRUTE Normal Duty	L	W	H
1	ST 16/20	12	150	5BR0S56006N	275	218	445
2	ST 10/12	24	240	5BR1S92005N	775	175	560
3	SE5/EPT5	12	230	5BR0S16104N	500	230	350
4	TT20	24	420	5BR1S32106N	700	400	450
5	SL22/S 14/S 12	24	195/206	5BR1S12104N	342	223	530
6	SL22/S 14/S 12 (optional)	24	195/206	5BR1S92005N	390	185	530