

6 Volt Minitrak (GOLF) Batteries

Type		Capacity at 20 hour rate, +27°C		Cold start performance at -18°C	Layout	Terminal	Holddown	Overall Dimensions (mm)				Weight With acid kg.	Explanations
MUTLU		20 h Ah	5 h Ah	EN A				Lenght mm	Width mm	Height Except Terminal mm	Height mm		
6V-G1	6V-7GiS 180	240	180		0	1	B0	244	190	255	275	32.6	1
6V-G2	6V-5PzS 180	240	180		0	1	B0	244	190	255	275	31.0	1.7

12 Volt FULL ENERGY Batteries

Type		Capacity at 20 hour rate, +27°C		Cold start performance at -18°C	Layout	Terminal	Holddown	Overall Dimensions (mm)				Weight With acid kg.	Explanations
MUTLU	EN	20 h Ah	5 h Ah	EN A				Lenght mm	Width mm	Height Except Terminal mm	Height mm		
12M2-FE	LS1	48	40	300	0	1	B3	207	175	190	190	14.0	1.2.6
12M4-FE	LS2	60	50	360	0	1	B3	246	175	190	190	17.5	1.2.6
LS3-FE	LS3	75	60	480	0	1	B3	278	175	190	190	20.0	1.2.5.6
LS5-FE	LS5	95	80	640	0	1	B3	353	175	190	190	26.0	1.2.5.6
12H3-FE		100	85	640	0	1	B3	323	176	207	228	27.5	1.2.3.4
12D1-FE	D4a	135	110	680	3	1	B3	513	186	195	223	37.0	1.2.3.4
12D2-FE	D5a	165	140	950	3	1	B3	513	223	195	223	44.5	1.2.3.4
12D3-FE	D6	225	190	1100	3	1	B0	518	291	215	242	61.5	1.2.3.4



Explanations

- 1- Deep cycle
- 2- Vibration proof
- 3- Monolid (Poles higher than lid)
- 4- Battery with handles (from container)
- 5- Battery with handles (from lid)
- 6- Kamina lid with filter
- 7- Positive tubular

Differences in general between MUTLU minitrak batteries and usual starter batteries

- Plate thicknesses are higher
- Positive grid structure contains antimony.
- Separators are glass-matted
- Special fastening systems are present in battery
- Because of the features mentioned above, the battery is extra resistant against vibration, has a deep discharge property and a high cycle life endurance.

Typical Applications

- Cleaning machines
- Electrical vehicles
- Alarm and security systems
- Golf carts
- Caravans
- Solar power systems
- Wheel chairs
- Electrical forklifts, pallet handcars and elevators
- Boats
- UPS
- Other special applications



MUTLU

İstanbul Factory: Akfırat Beldesi, Tepeören Mah. Eski Ankara Yolu Üzeri PK 34959 Tuzla-İstanbul/Turkey

Tel: 90 (216) 304 15 90 PBX Fax: 90 (216) 304 18 70 E-mail: mailbox@mutlu.com.tr

Ankara Office: Çetin Emeç Bulvarı 76. Sk. No: 5 Daire: 34 06460 Öveçler-Ankara/Turkey

Akü ve Malzemeleri San. A.Ş. Tel: 90 (312) 472 71 50 - 51 Fax: 90 (312) 472 15 99 www.mutlu.com.tr