

# MONBAT<sup>®</sup>

## BATTERIES



# DEEP CYCLE CATALOGUE



AGM DEEP CYCLE

DEEP CYCLE FLOODED

SEMI-TRACTION

LEISURE & HOBBY

# Key Applications

**EN**

▶ **Electrical Driven Vehicles**

Golf Carts, Airport Ground Support Equipment, Tow Vehicles, Unit Load Carriers



▶ **Renewable Energy System**

Solar & Wind Energy System, Mobile Homes, Street Solar Lighting



▶ **Floor Cleaning Equipment**

Floor cleaners, Wet Scrubbers, Polishers



▶ **Remote Monitoring Equipment**

Traffic Management Systems, Safety Equipment, Wi-Fi Systems, UPS



▶ **General Utility and Marine**

Yachts, Boats, Caravans, Motorhomes, RV



▶ **Mobile Lifting Platforms**

Light Cranes, Aerial Work Platforms/Access, Pallet Jacks



▶ **Mobility**

Electric Wheelchairs, Stair Lifts



**AGM DEEP CYCLE series**



**DEEP CYCLE series**




**SEMI TRACTION series**



**LEISURE series**



✓✓ Highly recommended    ✓ Recommended

	NCC Testing Class	Intended Purpose	MONBAT Series
	CLASS <b>A</b>	Motorhomes / Caravans frequently used without electrical hook-ups	AGM DEEP CYCLE series
	CLASS <b>B</b>	Motorhomes / Caravans with higher power consumption but still generally used with electrical hook-up	SEMI TRACTION series
	CLASS <b>C</b>	Motorhomes / Caravans with low power consumption used with electrical hook-up	LEISURE SERIES





# AGM DEEP CYCLE

SEALED MAINTENANCE FREE



## KEY APPLICATIONS



**EN** MONBAT AGM DEEP CYCLE series features advanced AGM technology with absorbed electrolyte. It is specially designed for reliable electrical storage solutions for renewable energy applications.

## MAIN BENEFITS

- ▶ 100% non-spillable battery
- ▶ Perfect for indoor use
- ▶ Absolutely maintenance free, no topping up required
- ▶ Very low self-discharge granting longer shelf life
- ▶ Up to 500 cycles at 50% DOD
- ▶ Up to 1000 cycles (PVES applications)
- ▶ Extremely long service life
- ▶ High reliability and safe handling

SPECIFICATIONS

UK Part No.	Battery Type	Capacity, C100 (Ah) EN 61427 SOLAR	Capacity, C20 (Ah) EN 50342 SLI	Capacity, C10 (Ah) EN 60896 STANDBY	Capacity, C5 (Ah) EN 60254-1 TRACTION	RC (min)	BOX	Dimensions			Layout	Terminal	BHD
								L	W	H			
AGM 60	AGM 81060	65	60	54	45	110	L2	242	175	190	0	1	B13
AGM 70	AGM 81070	75	70	63	52	130	L3	278	175	190	0	1	B13
AGM 90	AGM 81090	95	90	81	67	175	L5	353	175	190	0	1	B13
AGM 100	AGM 1200C	105	100	95	85	180	Compact L	345	175	230	0	1	B13
AGM 135	AGM 140 A	140	135	125	110	260	A	513	189	223	3	1	B0
AGM 156	AGM 170 B	170	156	145	130	300	B	513	223	223	3	1	B0
AGM 180	AGM 195 C	195	180	165	145	350	C	518	274	242	3	1	B0
AGM 205	AGM 220 C	220	205	190	170	430	C	518	274	242	3	1	B0



# DEEP CYCLE

## PROFESSIONAL



### KEY APPLICATIONS



**EN** MONBAT Deep Cycle series are specially designed for powering electrical equipment for longer periods of time with increased ability of deep discharge cycles.

### MAIN BENEFITS

- ▶ Perfect option for applications demanding extremely high resistance to deep and repeated discharge cycles
- ▶ Up to 400 cycles at 50% DOD (for 12V batteries)
- ▶ Up to 900 cycles at 50% DOD (for 6V and 8V)
- ▶ Up to 2000 cycles (PVES applications)
- ▶ Very wide choice of capacities for any type of application

SPECIFICATIONS

UK Part No.	Battery Type	Capacity, C100 (Ah) EN 61427 SOLAR	Capacity, C20 (Ah) EN 50342 SLI	Capacity, C5 (Ah) EN 60254-1 TRACTION	RC (min)	BOX	Dimensions			Layout	Terminal	BHD
							L	W	H			
<b>12 Volt</b>												
MP24 DC	GR24 DC	90	80	65	130	GR24	260	175	220	1	Dual	B1
MP27 DC	GR27 DC	105	95	75	170	GR27	304	173	220	1	Dual	B1
MP31 DC	GR31 DC	120	110	90	200	GR31	336	173	235	1	Dual	B0
656 DC	GC12 DC	140	130	105	235	GC12	345	175	285	1	1	B0
<b>6 Volt</b>												
GC2C	6VUS DC-225	250	225	185	470	GC2	261	181	276	0	Dual	B0
GC2B	6VUS DC-240	265	240	197	505	GC2	261	181	276	0	Dual	B0
MP6V	6V DC-240	265	240	197	505	DIN	244	190	274	0	1	B0
J305	J305 DC	395	360	295	833	902	311	180	356	0	Dual	B0
<b>8 Volt</b>												
8VGC	8VUS DC	195	175	145	350	GC8	261	181	276	1	Dual	B0



# SEMI TRACTION

UTILITY, SOLAR & MARINE



## KEY APPLICATIONS



**EN** MONBAT SEMI Traction range is specially designed for applications requiring a permanent and long lasting supply of electrical energy.

## MAIN BENEFITS

- ▶ Suitable for dual usage: power supply and starting power
- ▶ Up to 400 cycles at 50% DOD
- ▶ Up to 800 cycles (PVES applications)
- ▶ High resistance to deep and repeated discharge cycles
- ▶ Available in SMF version
- ▶ Economical and reliable option

SPECIFICATIONS

UK Part No.	Battery Type	Capacity, C100 (Ah) EN 61427 SOLAR	Capacity, C20 (Ah) EN 50342 SLI	Capacity, C5 (Ah) EN 60254-1 TRACTION	RC (min)	BOX	Dimensions			Layout	Terminal	BHD
							L	W	H			
MST 60	95502	70	60	50	100	L2	242	175	190	0	1	B13
MST 75	95602	80	75	60	130	L3	278	175	190	0	1	B13
MST 90	95751	100	90	75	160	L5	353	175	190	0	1	B13
MST 100	95752	110	100	80	182	D31	304	175	220	0	1	B1
MST 105	95804	115	105	90	192	Compact L	345	175	230	0	1	B0
MST 125	96002	130	125	100	235	Compact H	345	175	285	0	1	B0
MST 140	96151	154	140	120	270	A	513	189	223	3	1	B0
MST 180	96351	198	180	155	365	B	513	223	223	3	1	B0
MST 200	96701	220	200	170	415	C	518	274	242	3	1	B0
MST 230	96801	253	230	190	460	C	518	274	242	3	1	B0





# LEISURE

## UTILITY & HOBBY



### KEY APPLICATIONS



**EN** MONBAT LEISURE series is specially designed to meet the needs of marine and leisure vehicles. The series offers great starting power and supply for extra electrical equipment. The series is perfectly suited for seasonal use. Ideal for motorboats, yachts, motorhomes, caravans and other modern leisure vehicles.

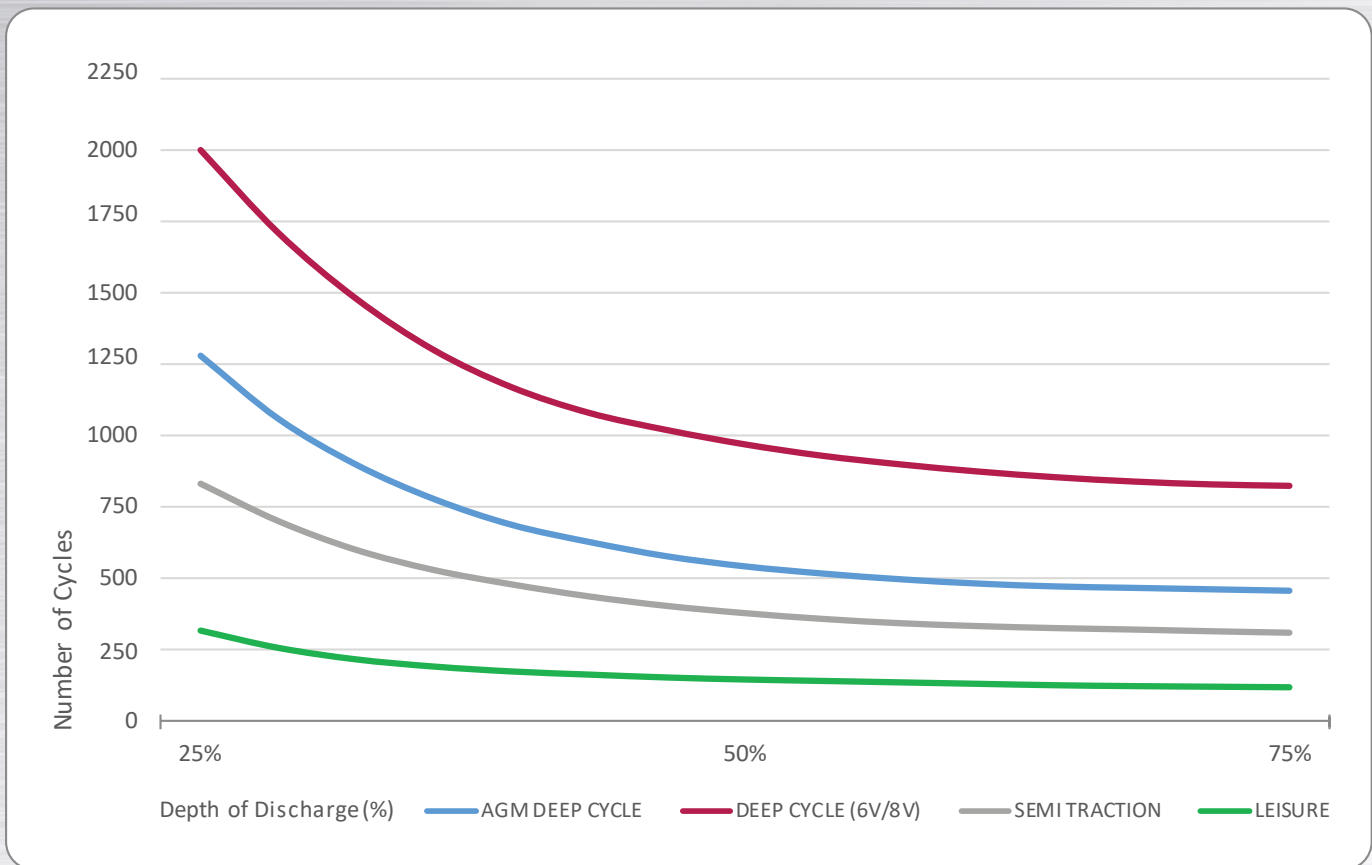
### MAIN BENEFITS

- ▶ High cranking power for quick and consistent starts
- ▶ Dual purpose usage
- ▶ Long lasting and maintenance free
- ▶ Low rate of self-discharge and long shelf life
- ▶ Supplied charged and ready to fit
- ▶ Enhanced safety due to integrated flame arrestor and carry handle

SPECIFICATIONS

UK Part No.	Capacity, C20 (Ah) EN 50342 SLI	Capacity, C5 (Ah) EN 60254-1 TRACTION	RC (min)	CCA	BOX	Dimensions			Layout	Terminal	BHD
						L	W	H			
XLM85	60	45	84	420	J8	270	175	220	1	1	B9
XLM85E	75	55	110	540	J8	270	175	220	1	1	B9
XLM110LB	100	80	170	840	L5	353	175	190	0	1	B13
XLM110	110	90	160	750	Compact L	345	175	230	1	1	B0
XLM110E	115	95	175	800	Compact L	345	175	230	1	1	B0
XLM135	130	110	190	850	Compact H	345	175	285	1	1	B0

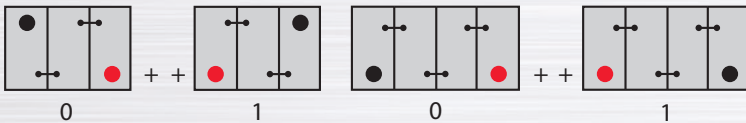
# Depth of Discharge – Number of Cycles



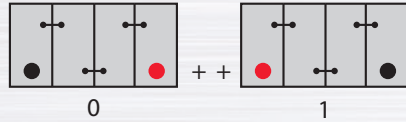
## LEGEND

### LAYOUT

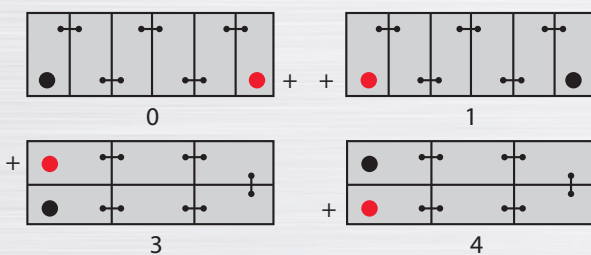
#### 6 VOLT



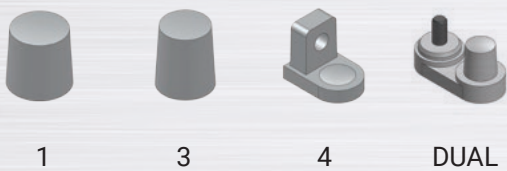
#### 8 VOLT



#### 12 VOLT



### TERMINALS



### HOLD-DOWN

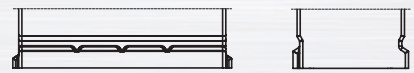
B0



B1



B4



B9



B13





RECYCLE WITH

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THE SOURCE OF POWER

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TS16949



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