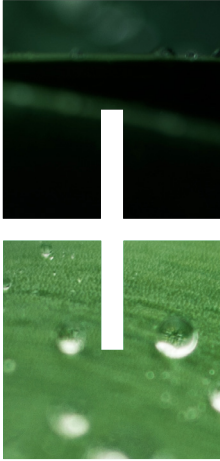




e.leisure



TAB E.LEISURE

TAB e.leisure batteries are ideal for applications where long lifespan, light weight, higher power, fast charging, and safety are the key. They can be used in a variety of stationary and motive power applications.

Batteries are protected against overcharging, deep discharging, overheating, overcurrent protection and can be straight-forward replacement for most other technology batteries.

e.leisure app



MAIN FEATURES



- **LONGER CYCLE LIFE:** Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership .
- **LIGHTER WEIGHT:** About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.
- **HIGHER POWER:** Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.
- **WIDER TEMPERATURE RANGE:** -20°C~ 60°C.
- **SUPERIOR SAFETY:** Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.

APPLICATION



- Solar & storage systems
- UPS, back up power
- Telecommunications
- Lightning
- Golf Cars
- Wheelchairs
- Toys
- Marine and RV
- Cleaning Machines



FEATURES



SAFETY

- Non-explosive and non-combustible
- Additional safety layer with BMS
- CE and UN 38.3 approved



PERFORMANCE DATA

- 100% capacity available
- High discharge/charge currents
- Full power available throughout discharge with stable discharge voltage and lower internal resistance



USAGE DATA

- Long shelf life
- Rechargeable with max current
- Increased energy density due to more efficient packing



EFFICIENCY

- Highly efficient charging
- More efficient operation at low temperatures
- Plug and play charge and discharge



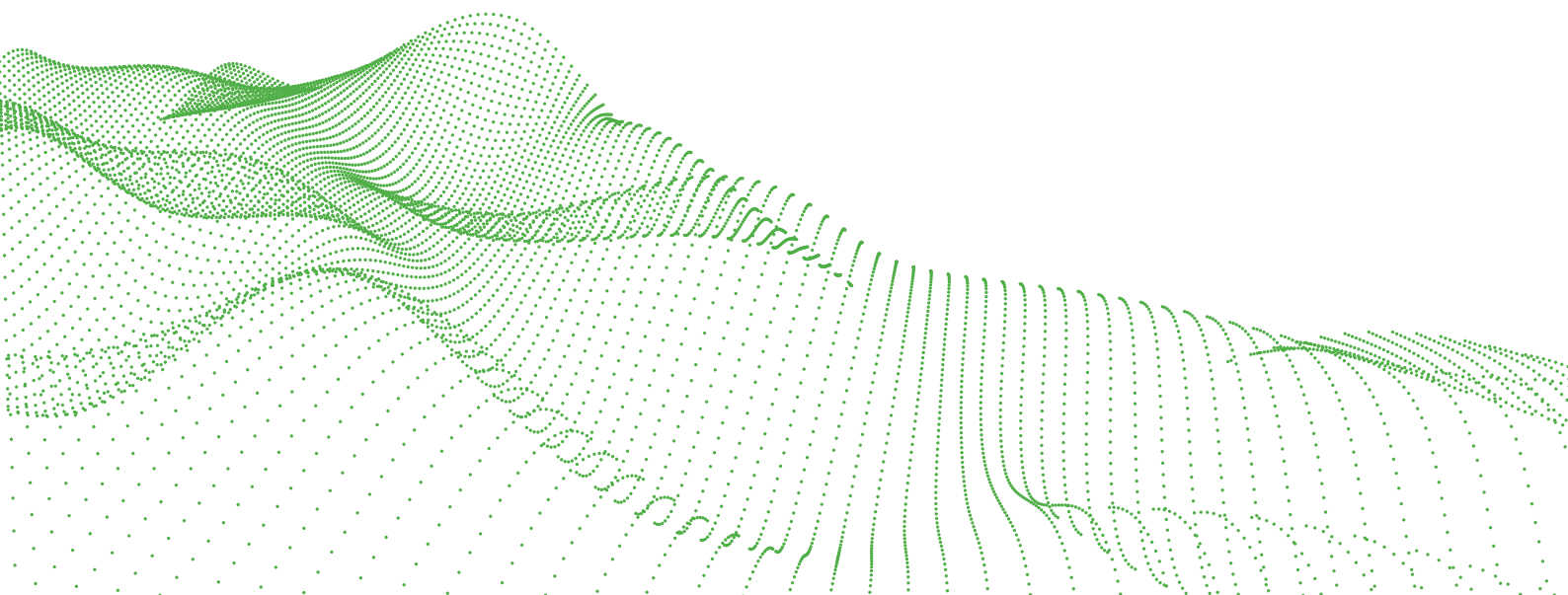
ENVIRONMENT

- Does not contain any acid or heavy metals such as lead, cadmium, or mercury
- No gas emitted



CHEMISTRY

- High power performance: When discharging, the battery will have constant power through 85% of SOC
- Extremely safe and stable chemistry
- Long service life: Up to 10 years, and up to 2.000 – 4.000 cycles (under 80% DOD)
- No memory effect



PRODUCT OVERVIEW

- 1 (-) Terminal to connect charger/consumer
- 2 (+) Terminal to connect charger/consumer
- 3 Handle for lifting
- 4 Bottom – we advise keeping the battery bottom down, as shown in the image

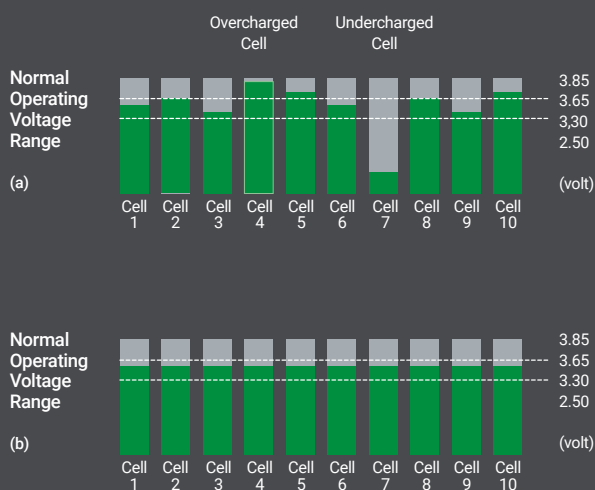


PRODUCT RANGE

Standard delivery of TAB e.leisure battery is with an integrated SOC display or optional Bluetooth for batteries above 40Ah.



BATTERY BALANCING



The BMS automatically balances the cells if necessary. Balancing can take place during charging and idle mode and will not have an effect on the functionality of the battery.



e.leisure

PREMIUM

- design life: 15 years
- cycle life: 4.000 cycles with 80% DOD
- good vibration resistance
- good thermal cycling resistance
- user friendly
- allows high charge/discharge currents
- battery cell: 3C rate
- easy battery handling
- self-discharge: <1%



TAB E LEISURE PREMIUM

Code	V	Ah	Wh	Dimensions (mm)			Weight	
				L	W	H	Kg	Terminal
HD 12-4.5 P	12.8	4.5	57.6	90	70	106	0.8	F1
HD 12-20 P	12.8	20	256	181	77	167	3.2	M5
HD 12-45 P	12.8	45	576	197	165	170	5.7	M6
HD 12-50 P	12.8	50	640	228	140	215	6.8	M6
HD 12-65 P	12.8	65	832	260	168	210	8.1	M6
HD 12-80 P	12.8	80	1024	260	168	210	9.2	M6
HD 12-100 P	12.8	100	1280	330	173	212	11.6	M8
HD 12-100 P(L)*	12.8	100	1280	335	175	195	11.6	M8
HD 12-100 P(R)**	12.8	100	1280	335	175	190	11.2	M8
HD 12-120 P	12.8	120	1536	410	175	225	13.6	M8
HD 12-150 P	12.8	150	1920	483	170	238	17.6	M8
HD 12-200 P	12.8	200	2560	522	240	224	23.5	M8
HD 12-250 P	12.8	250	3200	522	240	224	27.8	M8
HD 12-300 P	12.8	300	3840	522	240	224	32.5	M8
HD 24-10 P	25.6	10	256	181	77	167	2.8	M5
HD 24-20 P	25.6	20	512	195	130	180	3.6	M5
HD 24-50 P	25.6	50	1280	330	173	212	12.5	M8
HD 24-75 P	25.6	75	1920	483	170	238	17.6	M8
HD 24-100 P	25.6	100	2560	522	240	224	22.7	M8
HD 24-125 P	25.6	125	3200	522	240	224	29.6	M8
HD 24-150 P	25.6	150	3840	500	239	230	32.5	M8

*L=Low box, **R=for RV



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CLEVER

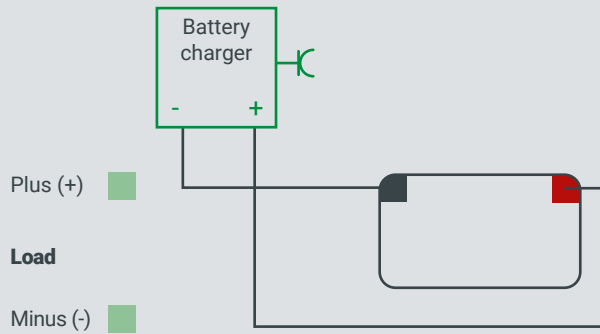
- design life: 10 years
- cycle life: 2.000 cycles with 80% DOD
- good vibration resistance
- good volume efficiency
- allows high charge/discharge currents
- good price efficiency
- battery cell: 1C rate
- user friendly
- self-discharge: <1%



TAB E.LEISURE CLEVER

Code	V	Ah	Wh	Dimensions (mm)			Weight	
				L	W	H	Kg	Terminal
HD 12-50 C	12.8	50	640	228	140	215	6.8	M6
HD 12-65 C	12.8	65	832	260	168	210	8.1	M6
HD 12-75 C	12.8	75	960	260	168	210	9.2	M6
HD 12-80 C	12.8	80	1024	260	168	210	9.2	M6
HD 12-100 C	12.8	100	1280	330	173	212	11.6	M8
HD 12-100 C(L)*	12.8	100	1280	335	175	195	11.6	M8
HD 12-120 C	12.8	120	1536	410	175	225	13.6	M8
HD 12-150 C	12.8	150	1920	483	170	238	17.6	M8
HD 12-200 C	12.8	200	2560	522	240	224	23.5	M8
HD 12-250 C	12.8	250	3200	522	240	224	27.8	M8
HD 12-300 C	12.8	300	3840	522	240	224	32.5	M8
HD 24-50 C	25.6	50	1280	330	173	212	12.5	M8
HD 24-75 C	25.6	75	1920	483	170	238	17.6	M8
HD 24-100 C	25.6	100	2560	522	240	224	22.7	M8
HD 24-150 C	25.6	150	3840	500	239	230	32.5	M8

*L=Low box



CONNECTING THE BATTERY

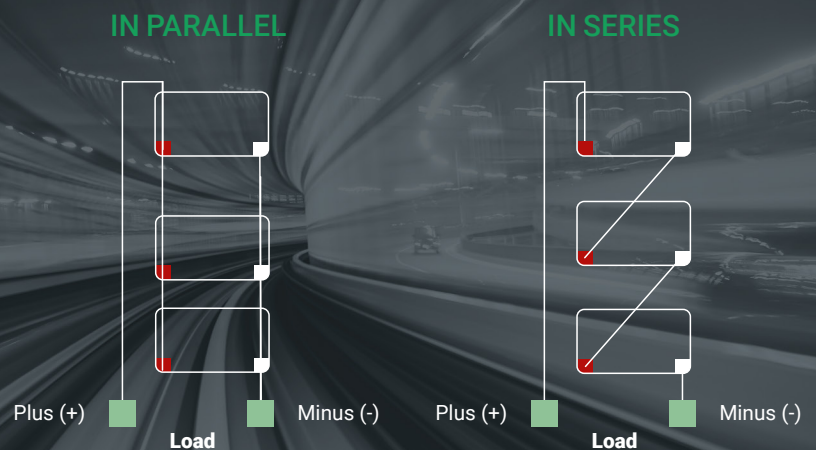
Use an appropriate wire for the connection wires to ensure no overheating or unnecessary losses occur. Use appropriate fuses matching the wires and load.

CHARGING

Rechargeable with max current.

CONNECTING IN SERIES AND PARALLEL

The maximum number of batteries in parallel is 20pcs and the maximum number of batteries in series is 4pcs. To divide the current equally among batteries, use the schematic below.





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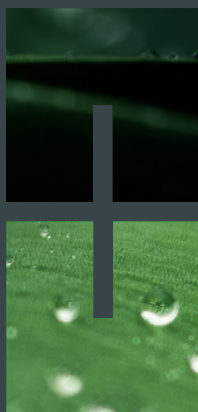
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TAB 
Li-Ion batteries