ACEDIS

Industrial Batteries

LEAD AND LITHIUM BATTERIES FOR EVERY APPLICATION

www.acedis.eu

ACEDIS, YOUR EXPERT IN INDUSTRIAL BATTERIES

WHO ARE WE ?

For over 30 years, our engineers, technicians and sales representatives have provided our customers with genuine expertise in products and their uses.

Every product we sell is the result of a long collaboration with industrial partners, certified ISO 9001 quality, ISO 14001 environment or ISO 45001 safety, and who are subject to regular checks.

Our mission is to provide our customers with quality, reactivity and competitiveness.
Since January 2024, ACEDIS has been part of LUBATEX GROUP, a key player in the premium automotive battery aftermarket both internationally and in France.

This integration now allows more efficient inventory management, better customer monitoring and access to new product categories for Acedis customers (lead acid batteries, consumer batteries, accumulators, lighting and accessories in leading brands such as Varta, Energizer, Optima, Victron, Midtronics, etc.)

OUR STRENGHTS

Wide range of products: a complete and diversified product offering to cover all industrial battery needs.

Product availability: a stock of more than 40,000 batteries under management.

Reactivity: shipments made within 24 to 48 hours of ordering.

Flexibility: a team and production capacities at your disposal to meet your needs as quickly as possible.

Product Quality: the assurance of the highest levels of certification on our products and material supplies.

OUR CUSTOMERS

Acedis is referenced by the armed forces service as well as by multiple French administrations.

Our main customers in France, Europe, Africa and the Middle East are recognized manufacturers, installers or integrators from the world of energy, inverters, telephony, alarms, security and renewable energies.

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OUR APPLICATIONS

UNINTERRUPTIBLE POWER SUPPLY SYSTEMS (UPS)

ST PRO | LITHIUM +

RENEWABLE ENERGIES

ST PRO | STD | TMS | OPzV | OPzS | LITHIUM +

INTRUSION SECURITY, ACCESS CONTROL

ST PRO | STD | LITHIUM +

FIRE SAFETY, EMERGENCY LIGHTING

ST PRO

TELECOMS

ST PRO | OPzV | OPzS | LITHIUM +

INDUSTRY, SCRUBBER WASHERS, HANDLING, PLATFORMS

STC | GEL + | TMS | LITHIUM +

MEDICAL AND MOBILITY

ST PRO | STD | STC | GEL + | LITHIUM +

LEISURE, GOLF, MARINE, CAMPING CAR

STC | GEL + | TMS | LITHIUM +

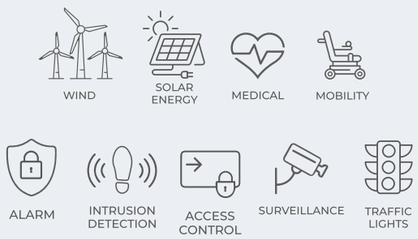
OUR RANGES

ST PRO

- AGM - 2V to 12V
- From 1.3Ah to 3000Ah
- FR container
- Floating, UPS and light cycling application

STD

- AGM - 6 & 12V
- 2.3Ah to 43Ah
- Standard container
- Floating and light cycling application

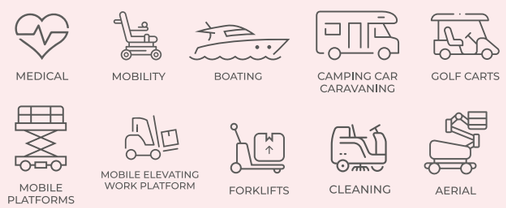


STC

- AGM - 12V
- From 26Ah to 65Ah
- FR container
- Cycling application

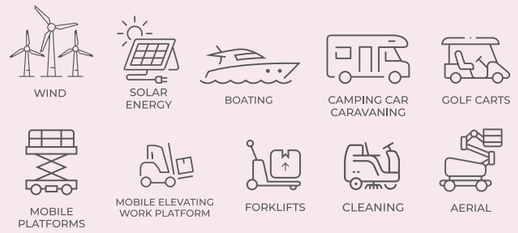
GEL +

- 6 & 12V
- From 20Ah to 250Ah
- Cycling application



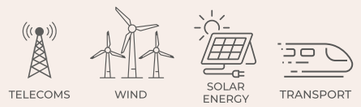
TMS

- 6 & 12V
- From 60Ah to 240Ah
- Flat and tubular plate
- Cycling application



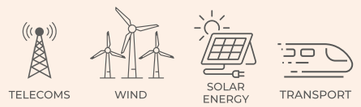
OPzV

- 2 to 12V
- From 50Ah to 3000Ah
- Tubular plate
- Gel
- Floating application



OPzS

- 2V
- From 180Ah to 3300Ah
- Tubular plate
- Floating application



LITHIUM +

- Custom made from 12 to 72V
- Lithium Ion Technology or Lithium Iron Phosphate
- In ABS container or under sheath
- Design and assembly in France

ST LINE | AGM TECHNOLOGY

ST PRO **STD** **STC**

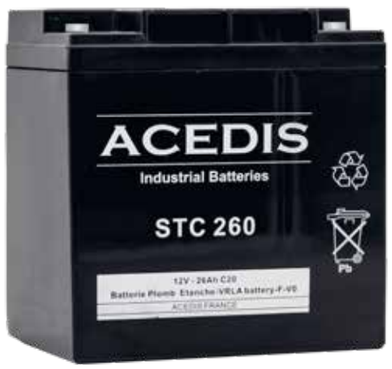
- ✓ **AGM (Absorbent Glass Mat) Batteries:** electrolyte contained in microporous fiberglass separators, no free acid.
- ✓ **Sealed lead acid batteries,** no maintenance required.
- ✓ **Equipped with safety valves:** operation in all positions (except the inverted position during charging phases).
- ✓ **With gas recombination,** they recombine more than 95% of the gases emitted.

MAIN APPLICATIONS AND USES

Uninterruptible power supply	Access control	Wind power	Camping-caravaning
Call center	Fire and security platform	Toys	Boating
Converter	Medical equipment	Scale modeling	Group starter (STPRO)
Emergency lighting	Instruments	Signage	Autonomous energy (STC)

STC | Cycling

Flat plate sealed lead batteries
AGM-VRLA / FR-V0 maintenance free



ABS container and lid – **FR – V0**

Meets the requirements of the **EUROBAT specification for up to 9 years of service life**

ISO9001, IEC 60896-21/22 and BS6290-4 standards

Made of **flat plates,** perfectly suited to **cycling** applications

Good behavior for slow discharge uses

Short Code	Designation	OCV (V)	C20 (Ah)	C10 (Ah)	L (mm)	W (mm)	H (mm)	TH (mm)	Layout	Pole	Hold Down	Weight (Kg)	Design Life (years)
STC260	STC VRLA AGM STC260	12	26	24	165	125	175	175	0	M5 Thread	B00	9,20	9
STC400	STC VRLA AGM STC400	12	41	38	197	165	170	175	0	M6 Thread	B00	14,20	9
STC600	STC VRLA AGM STC600	12	66	60	260	168	210	216	1	M6 Thread	B00	20,30	9

STD | Floating

Flat plate sealed lead batteries
AGM-VRLA / maintenance free

AGM (Absorbent Glass Mat) technology
ABS container and lid

Meets the requirements of the **EUROBAT specification until 5 years design life**

ISO9001, IEC 60896-21/22 and BS6290-4 standards

Made **of flat plates,** perfectly suits **floating mode applications**

Good behavior for slow **discharges and cycling**

Short Code	Designation	OCV (V)	C20 (Ah)	C10 (Ah)	L (mm)	W (mm)	H (mm)	TH (mm)	Layout	Pole	Hold Down	Weight (Kg)	Design Life (years)
STD_5_S	STD VRLA AGM STD_5_S	6	4,40	3,72	70	47	100	106	2	T1 - Faston 4,75	B00	0,69	5
STD_13_S	STD VRLA AGM STD_13_S	6	13,10	11,20	151	51	94	100	1	T1 - Faston 4,75	B00	1,60	5
STD_2.1	STD VRLA AGM STD_2.1	12	2	1,77	178	35	60	66	1	T1 - Faston 4,75	B00	0,87	5
STD_2.9	STD VRLA AGM STD_2.9	12	3	2,70	79	56	99	105	0	T1 - Faston 4,75	B00	1,10	5
STD_5	STD VRLA AGM STD_5	12	5	4,19	90	70	101	107	1	T1 - Faston 4,75	B00	1,50	5
STD_8	STD VRLA AGM STD_8	12	7,70	6,50	151	64,50	94,50	100	3	T1 - Faston 4,75	B00	2,20	5
STD_13	STD VRLA AGM STD_13	12	13,10	11,20	151	98	95	101	3	T2 - Faston 6,35	B00	3,60	5
STD_19	STD VRLA AGM STD_19	12	20	16,50	181,50	77	167,50	167,50	0	M5 Thread	B00	5,50	5
STD_26	STD VRLA AGM STD_26	12	26	22,30	166,50	175	125	125	0	M6 Thread	B00	7,80	5
STD_28	STD VRLA AGM STD_28	12	26	22,30	165	125	175	182	0	M6 Thread	B00	8,70	5
STD_43	STD VRLA AGM STD_43	12	43	38	197	165	170	170	0	M6 Thread	B00	12,20	5

ST PRO

AGM flat plate sealed lead batteries
AGM-VRLA / FR-V0 maintenance free

AGM (Absorbent Glass Mat) technology
ABS container and lid –FR –V0

Meets the requirements of the **EUROBAT specification for up to 15 years of service life**

ISO9001, IEC 60896-21/22 and BS6290-4 standards

Made of flat plates, perfectly suited to rapid **discharge applications in floating mode**

Good behavior for slow **discharges and cycling**

Up to 3000Ah

Short Code	Designation	OCV (V)	C20 (Ah)	C10 (Ah)	L (mm)	W (mm)	H (mm)	TH (mm)	Layout	Pole	Hold Down	Weight (Kg)	Design Life (years)
ST1500	STpro VRLA AGM ST1500	2	160	150	170	98	205	212	2	M8 Thread	B00	8,50	>12
ST2500	STpro VRLA AGM ST2500	2	284	250	170	110	328	350	2	M8 Thread	B00	14,50	>12
ST3000	STpro VRLA AGM ST3000	2	320	300	170	150	328	350	2	M8 Thread	B00	17,70	>12
ST3600	STpro VRLA AGM ST3600	2	381	350	170	150	328	350	2	M8 Thread	B00	19	>12
ST4500	STpro VRLA AGM ST4500	2	424	400	210	175	330	350	2	M8 Thread	B00	24,30	>12
ST5000	STpro VRLA AGM ST5000	2	530	500	240	175	330	350	2	M8 Thread	B00	29	>12
ST8000	STpro VRLA AGM ST8000	2	850	800	410	175	330	351	2	M8 Thread	B00	51	>12
ST10000	STpro VRLA AGM ST10000	2	1060	1000	475	175	328	350	2	M8 Thread	B00	57	>12
ST30S	STpro VRLA AGM ST30S	6	3,50	2,98	134	34	60	66	1	T1 - Faston 4,75	B00	0,67	5
ST65S	STpro VRLA AGM ST65S	6	7,20	6,70	151	34	94	100	1	T1 - Faston 4,75	B00	1,20	5
ST12	STpro VRLA AGM ST12	12	1,30	1,12	97	43	52	58	4	T1 - Faston 4,75	B00	0,57	5
ST20	STpro VRLA AGM ST20	12	2,30	2,14	178	35	60	66	1	T1 - Faston 4,75	B00	1	5
ST30	STpro VRLA AGM ST30	12	3,50	2,98	151	98	95	101	4	T1 - Faston 4,75	B00	1,35	5
ST45	STpro VRLA AGM ST45	12	5	4,65	151	53	93	99	3	T1 - Faston 4,75	B00	1,75	5
ST50	STpro VRLA AGM ST50	12	5,40	5,02	90	70	101	107	1	T1 - Faston 4,75	B00	1,68	5
ST65	STpro VRLA AGM ST65	12	7,20	6,70	151	65	94,50	100	3	T1 - Faston 4,75	B00	2,36	5
ST65_T2	STpro VRLA AGM ST65_T2	12	7,20	6,70	151	65	94,50	100	3	T2 - Faston 6,35	B00	2,36	5
ST90	STpro VRLA AGM ST90	12	9	8,40	151	65	94,50	100	3	T2 - Faston 6,35	B00	2,50	5
ST120	STpro VRLA AGM ST120	12	14	13	151	98	95	101	3	T1 - Faston 4,75	B00	4,20	5
ST150	STpro VRLA AGM ST150	12	20	18,60	181,50	77	167,50	167,50	0	M5 Thread	B00	5,78	5
ST150_T3	STpro VRLA AGM ST150_T3	12	20	18,60	181,50	77	167,50	167,50	0	T3	B00	5,78	5
ST240B	STpro VRLA AGM ST240B	12	28	26	166,50	175	125	125	0	M5 Thread	B00	8,40	9
ST240	STpro VRLA AGM ST240	12	28	26	165	125	175	175	0	M5 Thread	B00	9,50	9
ST380	STpro VRLA AGM ST380	12	43	38,70	197	165	170	170	0	M6 Thread	B00	13,20	9
ST550	STpro VRLA AGM ST550	12	58	55	228	138	208	228	1	M6 Thread	B00	16,20	10-12
ST600	STpro VRLA AGM ST600	12	65	61,20	259	168	208	214	1	M6 Thread	B00	18,50	10-12
ST700	STpro VRLA AGM ST700	12	73	70	348	167	178	178	1	M6 Thread	B00	21,60	10-12
ST750	STpro VRLA AGM ST750	12	84	78,60	259	168	208	214	1	M6 Thread	B00	24	10-12
ST900	STpro VRLA AGM ST900	12	99	90	306	168	210	230	1	M6 Thread	B00	27,80	10-12
ST1100	STpro VRLA AGM ST1100	12	111	100	330	173	212	220	1	M8 Thread	B00	31,50	10-12
ST1300	STpro VRLA AGM ST1300	12	129	120	410	177	225	225	1	M8 Thread	B00	35,40	10-12
ST1600	STpro VRLA AGM ST1600	12	166	150	485	170	240	240	1	M8 Thread	B00	48,20	10-12
ST1900	STpro VRLA AGM ST1900	12	189	180	532	207	214	220	4	M8 Thread	B00	43,60	10-12
ST2000	STpro VRLA AGM ST2000	12	226	200	522	240	218	224	4	M8 Thread	B00	62,50	10-12

GEL +

Flat plate sealed lead batteries
Maintenance-free VRLA-GEL

ABS container and lid

Meets the requirements of the **EUROBAT specification for up to 12 years of service life**

ISO9001, IEC 60896-21/22 and BS6290-4 standards

Made of **flat plates**, perfectly fitted for **floating applications**

Good behavior forslow **discharges and cycling**

Short Code	Designation	OCV (V)	C20 (Ah)	C10 (Ah)	L (mm)	W (mm)	H (mm)	TH (mm)	Layout	Pole	Hold Down	Weight (Kg)	Design Life (years)
GL6-240	GelPlus VRLA AGM GEL GL6-240	6	240	-	244	144	275	275	2	EN / SAE (1)	B00	32,70	12
GLH12-20	GelPlus VRLA AGM GEL GLH12-20	12	20	17,90	181,50	77	167	167	0	M5 Thread	B00	5,80	12
GLH12-25	GelPlus VRLA AGM GEL GLH12-25	12	28	26	166,50	175	125	125	0	M5 Thread	B00	8,80	12
GLH12-35	GelPlus VRLA AGM GEL GLH12-35	12	35	33	195,10	130	154,90	166,90	1	M6 Thread	B00	10,98	12
GLH12-45	GelPlus VRLA AGM GEL GLH12-45	12	42,40	40	196,30	166,10	174	181,10	0	M6 Thread	B00	13,47	12
GLH12-60	GelPlus VRLA AGM GEL GLH12-60	12	53	50	230,10	137,90	211,10	229,10	1	M6 Thread	B00	17,26	12
GL12-70	GelPlus VRLA AGM GEL GL12-70	12	60	54,40	255	170	174,50	177,50	0	M6 Thread	B00	19,50	12
GLH12-80	GelPlus VRLA AGM GEL GLH12-80	12	84,80	80	260,10	168,90	211,10	214,90	1	M6 Thread	B00	25,25	12
GLH12-100	GelPlus VRLA AGM GEL GLH12-100	12	95,40	90	306	169	211	215	1	M8 Thread	B00	28,50	12
GLH12-150	GelPlus VRLA AGM GEL GLH12-150	12	159	150	485	172	240	240	1	M8 Thread	B00	44,50	12
GLH12-160	GelPlus VRLA AGM GEL GLH12-160	12	143,60	134	345	172	280	285	1	M8 Thread	B00	44	12
GLH12-200	GelPlus VRLA AGM GEL GLH12-200	12	206	200	522	240	218	224	4	M8 Thread	B00	60,30	12
GLH12-280	GelPlus VRLA AGM GEL GLH12-280	12	250	230	521	269	220	224	4	M8 Thread	B00	69,10	12

- ✓ **Very low self-discharge**
- ✓ **Insensitivity to stratification issues**
- ✓ Good resistance to extreme temperatures
- ✓ Good resistance **to partial charge and discharge phases**
- ✓ **Equipped with safety valves:** operation in all positions (except the inverted position during charging phases)
- ✓ **With gas recombination,** they recombine more than 95% of the gases emitted

TMS | Traction-Marine-Solar

Flat or tubular plates lead batteries for:
Renewable energy applications, group starting, cycling and light traction

TMS Flat Plates	TMS GEL	TMS Tubular Plates
Up to 50 % DOD*	Up to 50-80 % DOD*	Up to 80 % DOD*

**DOD : Depth Of Discharge.*

MAIN APPLICATIONS AND USAGE

Group starter	Wind power	Light traction	Aerial lifts	Camping-car
Converter	Signage	E-vehicles	Forklifts	Boating
Photovoltaics	Electric gates	Golf-carts	Cleaning machines	

Short Code	Designation	OCV (V)	C20 (Ah)	C10 (Ah)	L (mm)	W (mm)	H (mm)	TH (mm)	Layout	Pole	Hold Down
TMS (Traction Marine Solar) - Semi Stationary - Flat Plates											
TMS12-60	TMS SEMI-STATIONNARY L1 TMS12-60	12	50	45	207	175	190	190	0	EN / SAE (1)	B13
TMS12-70	TMS SEMI-STATIONNARY TMS12-70	12	60	54	242	175	190	190	0	EN / SAE (1)	B13
TMS12-90	TMS SEMI-STATIONNARY TMS12-90	12	75	68	278	175	190	190	0	EN / SAE (1)	B13
TMS12-100	TMS SEMI-STATIONNARY TMS12-100	12	90	81	354	175	190	190	0	EN / SAE (1)	B13
TMS12-110_N	TMS SEMI-STATIONNARY TMS12-110_N	12	105	90	312	175	212	212	0	EN / SAE (1)	B01
TMS12-135	TMS SEMI-STATIONNARY TMS12-135	12	120	108	344	172	212	234	0	EN / SAE (1)	B00
TMS12-170	TMS SEMI-STATIONNARY TMS12-170	12	150	135	342	175	261	285	0	EN / SAE (1)	B00
TMS12-205	TMS SEMI-STATIONNARY TMS12-205	12	180	162	513	223	201	223	3	EN / SAE (1)	B00
TMS12-260	TMS SEMI-STATIONNARY TMS12-260	12	230	207	518	273	215	240	3	EN / SAE (1)	B00
TMS GEL (Traction Marine Solar) - Light Traction											
TMSGEL12-70	TMS-T SEMI-STATIONNARY TMSGEL12-70	12	60	56	278	175	190	190	0	EN / SAE (1)	B00
TMSGEL12-100	TMS-T SEMI-STATIONNARY TMSGEL12-100	12	80	79	353	175	190	190	0	EN / SAE (1)	B00
TMS-T (Traction Marine Solar) - Semi Stationary - Tubular Plates											
TMS6-185T	TMS-T SEMI-STATIONNARY TMS6-185T	6	240	-	260	180	-	275	2	EN / SAE (1)	B00
TMS6-195T	TMS-T SEMI-STATIONNARY TMS6-195T	6	260	-	242	190	-	275	2	EN / SAE (1)	B00
TMS6-200T	TMS-T SEMI-STATIONNARY TMS6-200T	6	265	-	260	180	-	275	2	EN / SAE (1)	B00
TMS6-205T	TMS-T SEMI-STATIONNARY TMS6-205T	6	270	-	242	190	-	275	2	EN / SAE (1)	B00
TMS6-265T	TMS-T SEMI-STATIONNARY TMS6-265T	6	350	-	305	180	-	365	2	EN / SAE (1)	B00
TMS6-320T	TMS-T SEMI-STATIONNARY TMS6-320T	6	425	-	305	180	-	365	2	EN / SAE (1)	B00
TMS8-160T	TMS-T SEMI-STATIONNARY TMS8-160T	8	210	-	260	180	-	275	0	EN / SAE (1)	B00
TMS12-75T	TMS-T SEMI-STATIONNARY TMS12-75T	12	100	-	352	175	-	190	0	EN / SAE (1)	B13
TMS12-85T	TMS-T SEMI-STATIONNARY TMS12-85T	12	110	-	303	175	208	229	0	EN / SAE (1)	B01
TMS12-90T	TMS-T SEMI-STATIONNARY TMS12-90T	12	120	-	345	170	-	235	0	EN / SAE (1)	B00
TMS12-110T	TMS-T SEMI-STATIONNARY TMS12-110T	12	140	-	344	175	262	284	0	EN / SAE (1)	B00
TMS12-125T	TMS-T SEMI-STATIONNARY TMS12-125T	12	167	-	510	175	-	225	4	EN / SAE (1)	B00
TMS12-180T	TMS-T SEMI-STATIONNARY TMS12-180T	12	240	-	517	270	-	240	4	EN / SAE (1)	B00

TMS Flat Plates

Up to 50 % DOD

Semi-stationary lead batteries

ISO 9001 certification

Perfectly suits slow discharge applications

Good behavior in cycling mode and light traction

Low maintenance
During charging phases they generate oxygen and hydrogen
It is forbidden to confine them in a closed space

TMS GEL

Up to 50-80 % DOD

VRLA lead batteries - Hybrid GEL

ISO 9001 certification

Perfectly suits slow discharge applications

Good behavior in cycling mode and light traction

No free acid, all electrolyte is contained in real silica gel

- ✓ **Very low self-discharge**
- ✓ **Insensitivity to stratification issues**
- ✓ Good resistance to extreme temperatures
- ✓ Good resistance **to partial charge and discharge phases**
- ✓ **Equipped with safety valves:** operates in all positions (except the inverted position during charging phases)
- ✓ **With gas recombination,** they recombine more than 95% of the gases emitted

TMS Tubular Plates

Up to 80 % DOD

Semi-stationary lead batteries

ISO 9001 certification

Perfectly suited to cycling, traction and slow discharge applications

x2 Lifespan Vs. TMS Flat Plates

Low self-discharge and maintenance
During the charging phases they generate oxygen and hydrogen
It is forbidden to confine them in a closed space

OPzV

Sealed lead gel batteries
Tubular plates

Up to 80 % DOD

- ✓ Very low grid corrosion and self-discharge
- ✓ No electrolyte stratification
- ✓ Good resistance to high temperatures
- ✓ Can be used horizontally or vertically
- ✓ Gas recombination technology with safety valves

Lead calcium tin alloy without antimony
ABS container and lid. Gelled electrolyte

ISO9001 / ISO 14001 / IEC 60896–21 and 22

UL certifications

Very long lifespan: **over 18 years**

Long life according to EUROBAT

High performance in cycling and deep discharge applications

MAIN APPLICATIONS AND USES

FLOATING, RENEWABLE ENERGIES, DEEP CYCLING UP TO 80 % OF DOD.

UPS, Data center, Converter, Telecoms, Photovoltaics, Wind power, Boating

Short Code	Designation	OCV (V)	C10 (Ah)	C120 (Ah)	L (mm)	W (mm)	H (mm)	TH (mm)	Layout	Pole	Hold Down	Weight (Kg)	Design Life (years)
4 OPzV 200	OPzV Tubular GEL 4 OPzV 200	2V	225	288	103	206	355	382	0	M10 Thread	B00	20	12-20
5 OPzV 250	OPzV Tubular GEL 5 OPzV 250	2V	280	358	124	206	355	382	0	M10 Thread	B00	24	12-20
6 OPzV 300	OPzV Tubular GEL 6 OPzV 300	2V	335	429	145	206	355	382	0	M10 Thread	B00	28	12-20
5 OPzV 350	OPzV Tubular GEL 5 OPzV 350	2V	405	518	124	206	471	498	0	M10 Thread	B00	31	12-20
6 OPzV 420	OPzV Tubular GEL 6 OPzV 420	2V	485	621	145	206	471	498	0	M10 Thread	B00	37	12-20
7 OPzV 490	OPzV Tubular GEL 7 OPzV 490	2V	752	730	166	206	471	498	0	M10 Thread	B00	42	12-20
6 OPzV 600	OPzV Tubular GEL 6 OPzV 600	2V	690	883	145	206	646	673	0	M10 Thread	B00	50	12-20
8 OPzV 800	OPzV Tubular GEL 8 OPzV 800	2V	920	1178	191	206	646	673	0	M10 Thread	B00	68	12-20
10 OPzV 1000	OPzV Tubular GEL 10 OPzV 1000	2V	1150	1472	233	210	646	673	0	M10 Thread	B00	82	12-20
12 OPzV 1200	OPzV Tubular GEL 12 OPzV 1200	2V	1380	1766	275	210	646	673	0	M10 Thread	B00	97	12-20
12 OPzV 1500	OPzV Tubular GEL 12 OPzV 1500	2V	1620	2074	275	210	797	824	0	M10 Thread	B00	120	12-20
16 OPzV 2000	OPzV Tubular GEL 16 OPzV 2000	2V	2160	2765	399	214	772	799	0	M10 Thread	B00	165	12-20
20 OPzV 2500	OPzV Tubular GEL 20 OPzV 2500	2V	2700	3456	487	212	772	799	0	M10 Thread	B00	200	12-20
24 OPzV 3000	OPzV Tubular GEL 24 OPzV 3000	2V	3240	4147	576	212	772	799	0	M10 Thread	B00	240	12-20
4 OPzV 200	OPzV Tubular GEL 4 OPzV 200	6V	205	262	272	205	332	371	2	M10 Thread	B00	48	12-20
5 OPzV 250	OPzV Tubular GEL 5 OPzV 250	6V	255	326	380	205	332	371	2	M10 Thread	B00	63	12-20
6 OPzV 300	OPzV Tubular GEL 6 OPzV 300	6V	310	397	380	205	332	371	2	M10 Thread	B00	70	12-20
1 OPzV 50	OPzV Tubular GEL 1 OPzV 50	12V	50	64	272	205	332	371	2	M10 Thread	B00	43	12-20
2 OPzV 100	OPzV Tubular GEL 2 OPzV 100	12V	100	128	272	205	332	371	0	M10 Thread	B00	52	12-20
3 OPzV 150	OPzV Tubular GEL 3 OPzV 150	12V	155	198	380	205	332	371	0	M10 Thread	B00	72	12-20

OPzS

Sealed lead batteries
Tubular Plates

Up to 80 % DOD

Translucent SAN container and lid
Lead-antimony alloy. Liquid electrolyte

High performance, low resistance PVC-SiO2 separator

ISO9001 / ISO 14001

Very long lifespan: **over 15 years (20°C)**

Long life according to EUROBAT

High performance in cycling and deep discharge applications

- ✓ Very low corrosion of the grids
- ✓ Very low self-discharge
- ✓ Very low maintenance and ready to use
- ✓ Good resistance to high temperatures
- ✓ Vertical use only

MAIN APPLICATIONS AND USES

FLOATING, RENEWABLE ENERGIES, DEEP CYCLING UP TO 80 % OF DOD.

Converter, Telecoms, Photovoltaics, Wind power, Boating

Short Code	Designation	OCV (V)	C10 (Ah)	C120 (Ah)	L (mm)	W (mm)	H (mm)	TH (mm)	Layout	Pole	Hold Down	Weight (Kg)	Design Life (years)
3 OPzS 150	OPzS Tubular 3 OPzS 150	2V	180	260	103	206	355	410	0	M10 Thread	B00	16	12-20
4 OPzS 200	OPzS Tubular 4 OPzS 200	2V	215	300	103	206	355	410	0	M10 Thread	B00	18	12-20
5 OPzS 250	OPzS Tubular 5 OPzS 250	2V	270	380	124	206	355	410	0	M10 Thread	B00	21	12-20
6 OPzS 300	OPzS Tubular 6 OPzS 300	2V	325	455	145	206	355	410	0	M10 Thread	B00	26	12-20
5 OPzS 350	OPzS Tubular 5 OPzS 350	2V	400	550	124	206	471	526	0	M10 Thread	B00	28	12-20
6 OPzS 420	OPzS Tubular 6 OPzS 420	2V	475	660	145	206	471	526	0	M10 Thread	B00	34	12-20
7 OPzS 490	OPzS Tubular 7 OPzS 490	2V	540	750	166	206	471	526	0	M10 Thread	B00	39	12-20
6 OPzS 600	OPzS Tubular 6 OPzS 600	2V	670	965	145	210	646	701	0	M10 Thread	B00	46	12-20
7 OPzS 700	OPzS Tubular 7 OPzS 700	2V	835	1230	191	210	646	701	0	M10 Thread	B00	60	12-20
8 OPzS 800	OPzS Tubular 8 OPzS 800	2V	895	1280	191	210	646	701	0	M10 Thread	B00	64	12-20
9 OPzS 900	OPzS Tubular 9 OPzS 900	2V	1030	1485	233	210	646	701	0	M10 Thread	B00	73	12-20
10 OPzS 1000	OPzS Tubular 10 OPzS 1000	2V	1120	1595	233	210	646	701	0	M10 Thread	B00	78	12-20
11 OPzS 1100	OPzS Tubular 11 OPzS 1100	2V	1180	1780	275	210	646	701	0	M10 Thread	B00	82	12-20
12 OPzS 1200	OPzS Tubular 12 OPzS 1200	2V	1330	1910	275	210	646	701	0	M10 Thread	B00	91	12-20
11 OPzS 1375	OPzS Tubular 11 OPzS 1375	2V	1620	2285	275	210	797	851	0	M10 Thread	B00	111	12-20
12 OPzS 1500	OPzS Tubular 12 OPzS 1500	2V	1630	2225	275	210	797	851	0	M10 Thread	B00	115	12-20
13 OPzS 1625	OPzS Tubular 13 OPzS 1625	2V	1755	2590	397	212	772	827	0	M10 Thread	B00	124	12-20
14 OPzS 1750	OPzS Tubular 14 OPzS 1750	2V	1980	2770	397	212	772	827	0	M10 Thread	B00	143	12-20
15 OPzS 1875	OPzS Tubular 15 OPzS 1875	2V	2115	2920	397	212	772	827	0	M10 Thread	B00	149	12-20
16 OPzS 2000	OPzS Tubular 16 OPzS 2000	2V	2190	2975	397	212	772	827	0	M10 Thread	B00	155	12-20
17 OPzS 2130	OPzS Tubular 17 OPzS 2130	2V	2515	3595	397	212	772	827	0	M10 Thread	B00	178	12-20
18 OPzS 2250	OPzS Tubular 18 OPzS 2250	2V	2690	3780	487	212	772	827	0	M10 Thread	B00	184	12-20
20 OPzS 2500	OPzS Tubular 20 OPzS 2500	2V	2925	4075	487	212	772	827	0	M10 Thread	B00	201	12-20
24 OPzS 3000	OPzS Tubular 24 OPzS 3000	2V	3360	4620	576	212	772	827	0	M10 Thread	B00	230	12-20

LITHIUM+

WE DESIGN AND MANUFACTURE YOUR CUSTOMIZED LITHIUM PACKS AND BATTERIES IN FRANCE

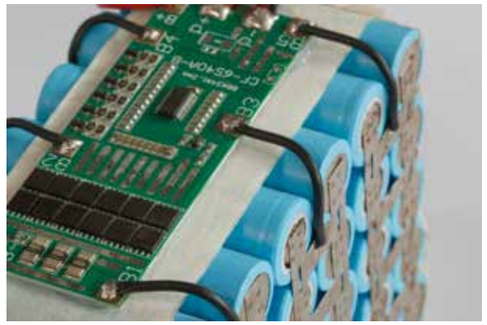
ACEDIS offers you the study, design and manufacture of your lithium batteries in our workshops in Loiret, France.

We have a wide selection of containers for all installations; depending on your power needs under different voltages (from 12V to 72V) and the available space, we will have the solution.

The lithium technologies currently used by our workshop are LFP (Lithium Iron Phosphate) and NMC (Nickel Manganese Cobalt) in cylindrical or prismatic format.

We also have a wide selection of cells of different capacities with a large choice of BMS.
It is this multitude in the choice of components that allows us to respond to all demands.

Finally, all our packs and batteries are systematically tested during and at the end of production.



FABRIQUÉ EN FRANCE
QUALITÉ PREMIUM

ADVANTAGES

- ✓ **Complete battery customization**
- ✓ **Very long cycle life**
- ✓ **Up to 100% discharge**
- ✓ **Fast charging possible in 1 hour**
- ✓ **High volume capacity**
- ✓ **All our packs and batteries are equipped with BMS which manage, control and protect the lithium battery**

MAIN APPLICATIONS AND USES

Electric mobility	Robots	Light traction	Health and medical	Main or emergency autonomous power source, food industry, industry and robotics
Lighting	Boating	Video-surveillance		

CYLINDRICAL OR PRISMATIC CELLS

LFP | Lithium Iron Phosphate | LiFePO4

- ✓ Best option for cycling: **+ 3000 cycles**
- ✓ Safest technology (marginal thermal runaway risk)

NMC | Nickel Manganese Cobalt | LiNMC

- ✓ Best option for volume capacity
- ✓ Without any maintenance
- ✓ Low self-discharge (<3% per month)
- ✓ Performance maintained from -20°C to +60°C
- ✓ Weight gain

LITHIUM PACKS

LiFePO4 and LiNMC in ABS container or thermoformed sheath

Whatever your needs and constraints, we study and create a tailor-made solution:

- ✓ Choice of technology
- ✓ BMS selection
- ✓ Choice of assembly
- ✓ Choice of connectivity
- ✓ With or without fuse holder
- ✓ Bluetooth optional

BMS | Battery Management System

BMS are essential components for the proper functioning of lithium batteries.
They ensure proper management of charging and discharging conditions.
They ensure battery safety in extreme operating conditions.

- ✓ Overvoltage and deep discharge protection
- ✓ Protection against extreme high temperatures:
  => Under load: 0°C - +50°C
  => In discharge: -20°C - +60°C
- ✓ Real-time battery charge status
- ✓ Overcharge and discharge protection
- ✓ Cell Load Management and Optimization and Balancing
- ✓ The BMS automatically reactivates when operating conditions return to normal

LITHIUM+

FEATURES AND PERFORMANCES

CELL TECHNOLOGIES	LITHIUM LiNMC	LiFePO4
Charge/discharge efficiency	**Above 98 %**	
Storage temperature	**Between -20°C and +25°C**	
Charging temperature	**0°C / + 50°C**	
Discharge temperature	**-20°C / +65°C**	
Self-discharge	**Less than 3% per month**	
Recommended discharge current	**0.5C**	
Max discharge current	**1C**	
Nominal voltage	**3,6 V**	**3,2 V**
Cut-off voltage	**2.75 V**	**2.5 V**
Numberof 100% discharge cycles	**Up to 1000 cycles**	**Up to 3000 cycles**
U max load	**4.2 ± 0,05V**	**3.65 ± 0,05V**
End of charge current	**0.02C**	
Customs code	**850760**	
UNO No. (battery or cell only)	**3480**	
UNO No. (battery or integrated cell)	**3481**	
Class	**CLASSE 9**	
Charging method	**CC-CV (Constant Current Charging / Constant Voltage Charging)**	

ASSEMBLY RECOMMENDATIONS

- Be well informed before carrying out any assembly
- Any lithium battery is delivered with a state of charge between 50% and 80%
- To restore 100% of its performance, a lithium battery must be recharged when it is first put into operation
- Serial assembly: not recommended but possible up to 4 batteries in series
- Parallel mounting of up to 10 branches or more
- Position of use: standing or lying down (no risk of leaks)
- Never attempt to open a battery, do not puncture it, do not expose it to a flame
- Use chargers corresponding to the technology and voltage of the battery
- Never short-circuit a battery. Never immerse it in liquid
- Quickly recharge a deeply discharged battery
- **NEVER RECHARGE A LITHIUM BATTERY WITH T° BELOW 0°C**
- **NEVER ATTEMPT TO INSTALL A DAMAGED BATTERY**

BATTERY TECHNICAL INFORMATION

- The charging current is recommended at 0.5 C and can be accepted up to 1 C maximum
- To preserve the life of your battery, the maximum discharge current should not exceed 1 C
- The Lithium+ battery range can operate between -20°C and + 65°C. However, the useful capacity at 0°C is only 80% of the nominal capacity; it drops to 45% at a temperature of -20°C
- During charging phases, Lithium+ batteries can be connected in parallel. On the other hand, it is not recommended to mount them in series
- Always use a charger suitable for the battery technology

MAINTENANCE AND RECYCLING

- **NEVER DISCARD A LITHIUM BATTERY**
- Lithium batteries must be transported in appropriate boxes; keep and reuse the original boxes
- Lithium batteries must be taken to approved recycling centers

STORAGE RECOMMENDATIONS

Store in a dry, cool place

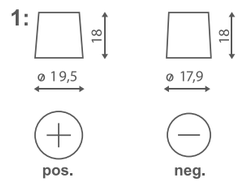
The battery should be stored with a state of charge between 50% and 80%

During storage, recharge the battery every 12 months max (except during heatwaves)

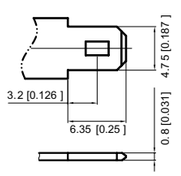
Disconnect the battery from its operating system
Avoid subjecting the battery to a heat source (sun, radiator, etc.)

POLES

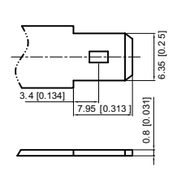
EN / SAE (1)



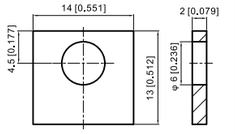
T1 FASTON 4,75



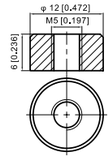
T2 FASTON 6,35



T3



M5 THREAD



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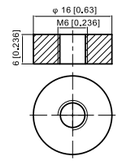
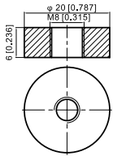


M8 THREAD



ACEDIS

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