查询A512/C/15G-38521供应商

捷多邦,专业PCB打样工厂,24小时加急出货

dryfit A 500 maintenance-free lead acid accumulators with grid plates and fixed electrolyte acc. DIN 43534.

463 - 360

A new generation of batteries for the future has been developed from the world wide proven "dryfit" technology.

The A 500 is the result of this development to provide a battery suitable to the modern demands of the market place.

The benefits speak for themselves:

Higher nominal capacity	The A 500 capacity has been increased by 15% over existing dryfit batteries.						
	This means: Greater discharge	time for a given current.					
Improved power to volume ratio	Approximately 109 utilized.	% more of the inner volume has been					
	This means: Greater efficiency	and improved power to weight ratio.					
Longer life		e dryfit's cellular construction has increased y 20% over A 200 (at room temperature).					
	This means: Lowering of replace against time.	rement cost and reduced capital cost					
Low self discharge	Modifications to both cellular construction and electrolyte have further improved the dryfit's extremely low self discharge characteristics.						
电子	This means: About 50% of the battery capacity remains after 2 years in storage at an ambient temperature of 20 °C. After recharge dryfit A 500 batteries recover to 100% of their nominal capacity.						
E E MMM	Very high current discharge	t For example, with types up to 16 Ah, during a 5 minute discharge the current could be up to 80% greater than previous dryfit systems, or on a 1 hour discharge it could be up to 30% greater.					
		This means: Much smaller batteries for high current and short duration application, e.g. UPS. This saves on equipment size, weight and cost.					
Sealed and maintenance free	No maintenance is required throughout the battery's long life. A self sealing valve prevents ingression of air whilst allowing internal pressures to be vented safely in the event of the battery being overcharged.						
Installation guidelines	If dryfit A 500 batteries are installed in rooms, containers and cabinets, the installation specifications VDE 0510 Part 2 and 7 must be taken into account.						
		ention: Do not install into hermetically sealed compartments. callation dimensions: see handling instructions A 500, No.7900.					
Installation in any orientation	The unique gel electrolyte, whilst allowing the cell to function normally on charge or discharge, is sufficiently thyxotropic to allow the cell to be installed in any position. If applied to stationary use the batteries should be installed in an upright position.						
	This means: Greater flexibility of design for equipment and greater use of space in existing equipment.						
	Charging suited to application	The charging voltage is suited to the application of the battery i.e. in float or cyclic (see figure 4).					
THE WWW	073	This means: The excellent charge characteristics ensure a full recharge within					



High cyclic life

The A 500 can be cycled many hundreds of times.

This means:

The dryfit A 500 is suitable for cyclic applications as well as for standby use where the battery is permanently connected to a

dryfit A 500 batteries are conform in construction and perform-

ance with the standards DIN 43534, DIN 43539 part 1 and 5, IEC 1056 part 1 and 2. Selected types approved by VdS (Federation of German

Constant power. A 500 discharge time subject to wattage for final voltage: 1.83 V, 1.75 V, 1.66 V and 1.5 V/cell. Time in minutes 90 Example: given: = 1200 Watt 60 = > 10 min.= 1,75 V/cell Uε 40 $U_{nom} = 48 V$ 30 1.75 V and 10 min. -Curve: $\rightarrow P_S = 4.0$ 20 Formula: Watt $Ah = \frac{1}{n = cells \times P_S}$ 15 $Ah = \frac{1200}{24 \times 4.0} = 12.5 Ah$ Example: 10 $C_{nom} \ge 12.5 \text{ Ah}$ A 512/16 S Result: Chosen: or $2 \times A 512/6.5 S$ 5 4 3 2.5 1.83 1.75 1.66 1.5 2 0 2 3 4 5 6 8 9 10 P_S = specific power [Watt/cell relative to 1 Ah] Fig. 1 The data is based on the battery discharge tests and is purely descriptive. The data is not applicable to any specific application and is not to be considered as a warranty of liability in accordance with our respective business conditions.

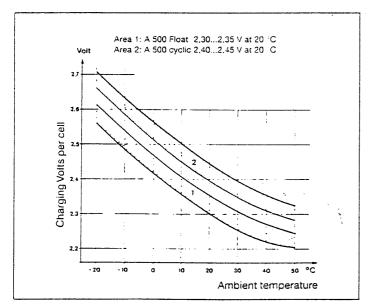


Fig 4 shows the various charging voltages for a variety of operations. When using charging voltages greater than 2.4 V/cell the charge current should be limited to 0.5 A/Ah.

The voltage tolerance is \pm 30 m Volts per cell.

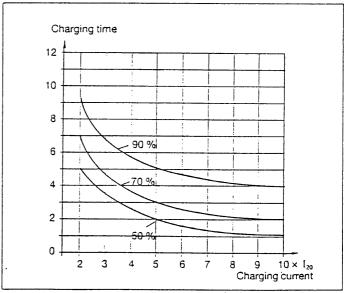


Fig. 5 shows the recharge time subject to the initial charging current to 50%, 70% and 90% of capacity. The graph is based on 2.4 Volt/cell charging voltage.



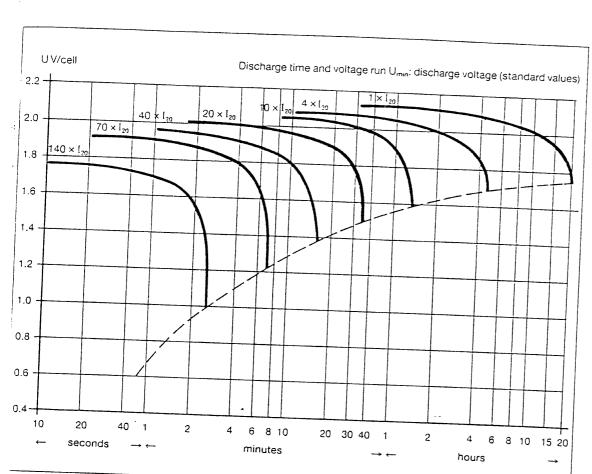


Fig. 2 shows the minimum recommended voltage on a 2 Volt (nominal) cell, dependent on load, e. g. a 10 Ah battery being discharged at 10 Amps.

The 1 \times I₂₀ current is 10 Ah = 0.5 Amps

therefore

 $\frac{10 \text{ Amps}}{2.5 \times 10^{-3}} = 20 \times 10^{-3}$

 $\frac{10.5 \text{ Amps}}{0.5 \text{ Amps}} = 20 \times I_{20}$

The voltage run, recommended end voltage and discharge time can be read off from figure 2.

This example shows a voltage drop at the beginning of discharge to 2.02 Volt/cell, the end voltage is 1.5 Volt/cell and discharge time 35 minutes.

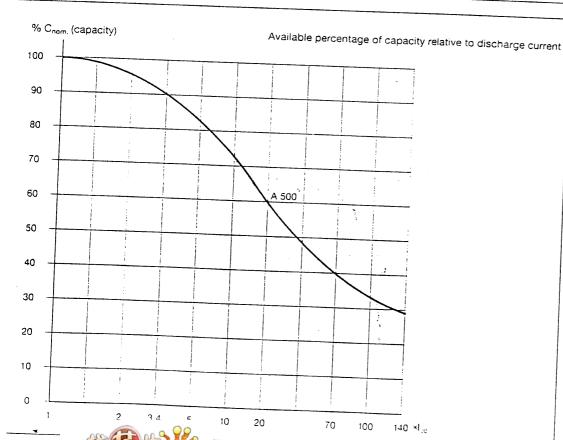


Fig. 3 shows the percentage of available capacity, relative to the amount of discharge current.

 $\frac{10 \text{ Ah battery}}{20 \text{ hours}} = I_{20} (500 \text{ mA})$

 $20 \times I_{20} = 10 \text{ Amps}$

Looking at the curve we see at $20 \times I_{20}$ there is 60 % available capacity at 10 Amps.

The data is for new batteries. When a battery has been cycled or has been used in float applications for a short time further development takes place increasing the capacity of the battery.

NEW SIZES AVAILABLE

	NOM	NOM CAP	DIMEN	ISIONS		,
MODEL	VOLTAGE	C2OAh	LENGTH	WIDTH	WEIGHT	TERMINALS
A506/1.2S A508/3.5S A512/1.2S	6 8 12	1.2 3.5 1.2	97.3mm 178.5mm 97.5mm	25.5mm 34.1mm 49.5mm	0.33Kg 0.97Kg 0.65Kg	FASTON 4.8 FASTON 4.8 FASTON 4.8

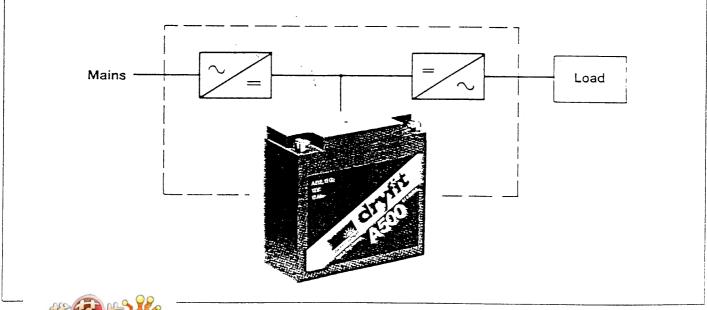
List of models Technical data, weights and measurements

Model No.	Model name	Nom. voltage	Nom. capacity (C ₂₀) at 20 hrs. discharge	Discharge current (I ₂₀) at 20 hrs. discharge	Max. load	Max. per- missible current over 5 sec.	Weight	Dimens max. length	max. width	Height to lid's upper edge max.	Greatest height over terminals/ cover max.	Cannections
		Volt	Ah	mA	appr. A	appr.	appr. kg	mm	mm	mm	mm	
07 8 95502 00	A 502/ 10.0 S	2	10.0	500	80	300	0.7	52.9	50.5	94.5	98.4	Fiat contacts 4.8 mm
07 8 95302 00	A 504/ 3.5 S	4	3.5	175	60	300	0.5	90.5	34.5	60.5	64.4	Flat contacts 4.3 mm
07 8 95312 00	A 506/ 3.5 S	6	3.5	175	60	300	0.7	134.5	34.8	60.5	64.4	Flat contacts 4.8 mm
07 8 95391 00	A 506/ 4.2 S	6	4.2	210	60	300	0.9	62.3	52.0	98.0	101.9	Flat contacts 4.8 mm
07 8 95465 00	A 506/ 6.5 S	6	6.5	325	80	300	1.3	152.0	34.5	94.5	98.4	Flat contacts 4.3 mm
07 8 95523 00	A 506/ 10.0 S	6	10.0	500	80	300	2.1	152.0	50.5	94.5	98.4	Fiat contacts 4.3 mm
07 8 95202 00	A 512/ 2.0 S	12	2.0	100	40	240	1.0	173.5	34.1	60.5	64.4	Flat contacts 4.3 mm
07 8 95315 00	A 512/ 3.5 S	12	3.5	175	60	300	1.5	134.0	66.3	60.0	64.4	Flat contacts 4.8 mm
07 8 95432 00	A 512/ 6.5 S	12	6.5	325	80	300	2.ô	152.0	65.5	94.5	98.4	Flat contacts 4.8 mm
07 8 95436 00	A 512/ 6.5 S	R 12	6.5	325	80	300	2.6	152.0	65.5	94.5	98.4	Flat contacts 6.3 mm
07 8 95525 00	A 512/ 10.0 S	12	10.0	500	80	300	4.1	152.0	98.0	94.5	98.4	Flat contacts 4.3 mm
07 8 95530 00	A 512/ 10.0 S	R 12	10.0	500	80	300	4.1	152.0	98.0	94.5	98.4	Flat contacts 6.3 mm
07 8 95565 00	A 512/ 16.0 G	5 12	16.0	800	200	700	6.8	181.0	76.0	167.0	167.0	Screw conn. 5 mm
07 8 95560 00	A 512/ 16.0 S	R 12	16.0	800	100	300	6.7	181.0	76.0	152.0	156.4	Flat contacts 6.3 mm
08 8 95615 00	A 512/ 25.0 G	5 12	25.0	1250	200	800	9.6	176.0	167.0	126.0	126.0	Screw conn. 5 mm
08 8 95625 00	A 512/ 30.0 G	6 12	30.0	1500	400	1500	11.7	197.0	132.0	160.0	181.0	Screw conn. 6 mm
08 8 95632 00	A 512/ 40.0 G	6 12	40.0	2000	400	1500	14.8	210.0	175.0	175.0	175.0	Screw conn. 6 mm
08 8 95630 00	A 512/ 40,0 A	12	40,0	2000	400	1500	14,8	210.0	175,0	175,0	175,0	Taper terminal acc. DIN 72311
08 8 95660 00	A 512/ 55,0 A	12	55,0	2750	400	1500	19,0	261,0	135,0	208,0	230,0	Taper terminal acc. DIN 72311
08 8 95664 00	A 512/ 60,0 A	.12	^60,0 	3000	400	1500	21,8	306,0	175,0	190,0	190,0_	Taper terminal acc. DIN 72311
08 8 95668 00	A 512/ 65,0 G	6 12	65,0	3250	440	1500	25,0	381,0	175,0	190,0	190,0	Screw conn. 6 mm
08 8 95666 00	A 512/ 65,0 A	12	65,0	3250	440	1500	25,0	381.0	175,0	190,0	190,0	Taper terminal acc. DIN 72311
08 8 95722 00	A 512/ 85,0 A	12	85,0	4250	600	2600	33,0	330,0	171,0	214,0	235,5	Taper terminal acc. DIN 72311
08 8 95750 00	A 512/115,0 A	12	115,0	5750	770	2600	40,3	284.0	267,0	208,0	230,0	Taper terminal acc. DIN 72311

*) only with appropriate counter contacts

Table 1

- The data is based on the battery discharge tests and is purely descriptive. The data is not applicable to any specific application and should not be considered as a warranty of liability in accordance with our respective business conditions.
- Use of curves and charts: The curves are based on typical mean performance data and are meant to estimate the battery size.
- For installation, storage, transport and environmental conditions ask for handling instructions A 500 No. 7900 e.



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DIN safety data sheet

Data Sheet No. CSH00215

Date:

01/1990

				0177990
Co	mpany Accumulator	enfabrik SONNENSCHE	IN GmbH, D-6470 Büdir	igen 1
Co	mmercial product name d	ryfit accumulators,	maintenance free	
1.1	Chemical characterization:	of the electrolyte:		
	hydrogel with 37%	sulphoric acid and	6% siliciu∎ dioxid	
	•			
1.2	Form: gel	1.3 Colour: White t	ranslucent 1,4 Odou	r: no
2.	Physical data and safety da Change in physical state	ta of the electrolyt	е	Tested in accordance with:
		point of solidi	fcation -69 %	·
		boiling point	112 °C	
2.2	Density	(20 ℃)	1 70 -4 - 1	
	Bulk density	(20 C)	1,30 g/cm³ kg/m³	
			vā	
2.3	Vapour pressure	(25 ℃)	21 mbar	
2.4	Vinneite	(°C)	mbar	
2.4	Viscosity	. (°C) thixotrop.	ic changeable	
2.5	Solubility in water	(°C) infinite	· g/l	
	in	(°C)	g/l	
2.6	pH value (at g/I H ₂ O)- (°C)		
2.7	Flash point		°C	
2.8	Ignition temperature	inapplicable	~C	
		•	•	
2.9	Explosion limits	Lower: Upp	er:	
2.10	Thermal decomposition			
	Hazardous decomposition pro	ducts with metal: d	evelopment of hydrod	en (H.)
	•		, , , , , , , , , , , , , , , , , , , ,	(,,,,
212	Hazardous reactions			
<u>1</u> 13	Further information			
	Transport GGVSee/IMDG	code: a likewa		
	GGVE/GGVS:		.: 2800 ICAO/IATA DR: ADI	į.
	Other:information:		Αυί	-
		v. 3. 3.	•	
5		All data refere to u	ındamaged accumulator	s I
2.2	Regulations			

ma Per

Commercial product name dryfit accumulators maintenance free

Protective measures, storage and handling

5.1 Technical protective measures

5.2 Personal

Respiratory protection:

Eye protection:

protective equipment Hand protection:

Other:

5.3 Industrial hygiene

after touching wash hands

Protection against fire and explosion see VDE 0510 part 2 paragraph 7 specification 5.4

5.5 Disposal To be returned to Sonnenschein Company, scrap dealer or recycling companies.

Measures in case of accidents and fires

After spillage / leakage / gas leakage

no. spillage

6.2 Extinguishing media

Suitable:

All known extinguishing media, in case of fire in

electrical equipment use CO,.

Not to be used:

6.3 First aid In case of etches with electrolyte wash with a lot of water and

consult a doctor.

Further information

Information on toxicity

of components:

Electrolyte: is strongly etching

poisonous, do not incorporate

Information on ecological effects of components:

Electrolyte: water danger classi√ication (WGK) 1

In case of damage of the battery case dry up the free tightened gel electrolyte and neutralize with soda, calcium or other neutralizing

Do not deposit lead or electrolyte in inshore waters like lakes, rivers, canals etc. or soil.

Further information

The given indications are based on todays knowledge and experiences. The indications are not ment to be assurances of properties.

DIN 5 ma Pen 18