

12V

48W

SLA

UPS AGM

12SB45WHR

Rechargeable AGM Sealed Lead Acid Battery

SPECIFICATIONS						
Nominal Voltage		12V				
Nominal Power						
10 min rate		48W/cell to 1.60V/cell				
15 min rate		36W/cell to 1.60V/cell				
Nominal Capacit	у					
20 hour rate	(0.451A to 10.50V)	9Ah				
10 hour rate	(0.855A to 10.50V)	8.55Ah				
5 hour rate	(1.530A to 10.20V)	7.65Ah				
1C	(9A to 9.60V)	5.7Ah				
3C	(27A to 9.60V)	3.6Ah				
Weight		Approx. 2.7kg				
Internal Resistanc	ce (at 1KHz)	Approx. $14m\Omega$				
Maximum Discha	rge Current (5 secs)	135A				
Charge Methods at 25°C						
Standby Use Float Charging Coefficient -3.0 Maximum Cha	0mV/°C/Cell	13.5V to 13.8V				
Maximom Cha	rging Conem	2.7A				
Operating Tempe	erature Range					
Charge		-15°C to 40°C				
Discharge		-15°C to 50°C				
Storage		-15°C to 40°C				
Charge Retention (Shelf Life) at 20°C						
1 month		92%				

3 months 90% 6 months 80% Case Material ABS UL94 HB

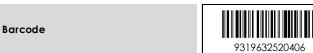
Termination F2 (Faston Tab 250)

3-5 years

Design Life

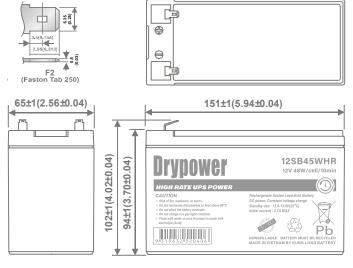
Classified as a non-spillable battery. Approved for transportation by:

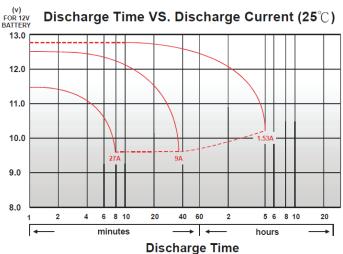
- Air (IATA/ICAO provision A67)
- Road
- Sea (per IMDG Special Provision 238)





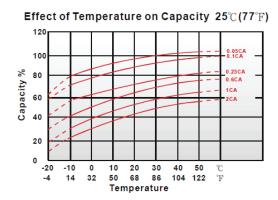
DIMENSIONS mm (inch)

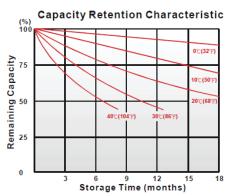


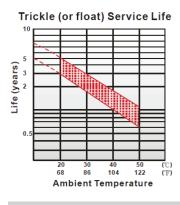


Drypower

CHARACTERISTICS CHARTS







FEATURES & BENEFITS

- Industry leading 99.99% pure lead content for superior service life and dependable performance.
- Specially formulated solder paste to ensure reliable power delivery.
- Maintenance free technology and non-spillable design.
- Special grid frame alloy design with outstanding anti-corrosion performance.
- Higher percentage of tin content compared with the industry standard. Tin extends battery standby life by minimising sulphation (corrosion) especially at higher temperatures.
- Manufactured by Kung Long Battery (KLB) at facilities in Taiwan and Vietnam. KLB is a leading manufacturer and complies with relevant international quality standards including ISO9001, CE ETL9000, UL1989, OHSAS18001 and ISO17025. KLB supports Green Sustainable supply chain practices.









PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25°C (77°F)								
Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	57.1	60.2	64.7	67.8	69.8	71.2	74.7
10	min	36.5	39.1	42	44	45.2	46.1	48.3
15	min	30.1	31.2	32.3	33.4	34	34.7	35.9
30	min	15.8	16.2	17	17.7	17.8	18	19.1
60	min	9.97	10.4	10.7	11	11.1	11.3	11.5
120	min	5.4	5.56	5.69	5.82	5.87	5.9	5.95
180	min	4.2	4.35	4.49	4.62	4.67	4.75	4.85
240	min	3.4	3.53	3.63	3.73	3.78	3.85	3.92
300	min	2.89	2.99	3.05	3.1	3.12	3.15	3.18
600	min	1.62	1.68	1.71	1.75	1.77	1.78	1.8
1200	min	0.853	0.882	0.902	0.907	0.91	0.913	0.918

Discharge	Discharge Rates in Amperes to Various End Voltages at 25°C (77°F)							
Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	30.4	32.6	35	36.7	37.4	38.5	40.3
10	min	19.1	20.4	21.9	22.9	23.4	24.1	25.2
15	min	14.3	14.9	15.8	16.5	16.8	17.3	18
30	min	8.09	8.45	8.93	9.35	9.54	9.77	10.2
60	min	5.17	5.29	5.37	5.45	5.48	5.52	5.57
120	min	2.63	2.72	2.78	2.84	2.86	2.89	2.93
180	min	2.12	2.18	2.23	2.27	2.29	2.31	2.34
240	min	1.69	1.74	1.77	1.8	1.81	1.82	1.83
300	min	1.46	1.51	1.53	1.55	1.56	1.57	1.58
600	min	0.827	0.841	0.855	0.866	0.871	0.877	0.884
1200	min	0.427	0.442	0.451	0.456	0.459	0.462	0.466

All data on the spec. sheet is an average value:

The tolerance range : $X < 6min (+15\% \sim -15\%)$, $6min \le X < 10min (+12\% \sim -12\%)$, $10min \le X < 60min (+8\% \sim -8\%)$, $X \ge 60min (+5\% \sim -5\%)$

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Performance may vary depending on application. All specifications are correct at time of creation. All specifications and operation conditions contained in this datasheet are subject to change or improvement without prior notice to the user. This data is for evaluation purposes only. No guarantee is intended or implied by this data. For clarification and updated information, please contact us.