



12V

365W

SLA

UPS  
AGM

## 12SB365WHR-FR

Rechargeable AGM Sealed Lead Acid Battery

### SPECIFICATIONS

Nominal Voltage	12V
Nominal Power	
15 min rate	365W/cell to 1.67V/cell
Nominal Capacity	
20 hour rate (4.75A to 10.50V)	95Ah
8 hour rate (9.57A to 10.50V)	76.54Ah
5 hour rate (15.3A to 10.20V)	76.5Ah
Weight	Approx. 29.5kg
Internal Resistance (at 1KHz)	Approx. 5mΩ
Maximum Discharge Current (5 secs)	1140A
Short Circuit Current	3500A
Charge Methods at 25°C	
Maximum Charging Current	28.5A
Boost Charging Voltage	14.1V to 14.4V
Boost Charge Time	8-9 hrs
Float Charging Voltage	13.5V to 13.65V
Coefficient -3.0mV/°C/Cell	

### Operating Temperature 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	98%
3 months	96%
6 months	94%

Case Material UL94 V-0 Flame Retardant

Termination F8 (M6 Bolt)

### Torque Value of Terminal Hardware

Recommended Torque Value	M6: 7 N-m (71kgf-cm)
Max. Allowable Torque Value	M6: 10 N-m (102kgf-cm)

Design Life 10-12 years

Classified as a non-spillable battery.

Approved for transportation by:

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



Barcode

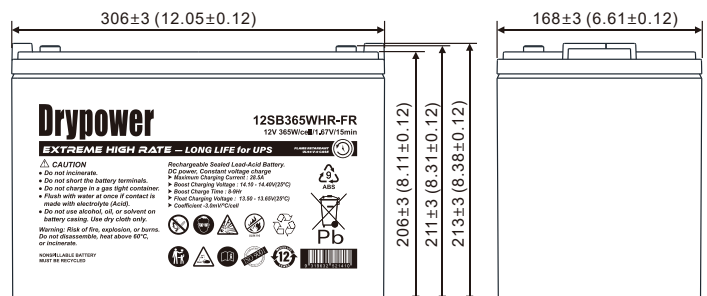
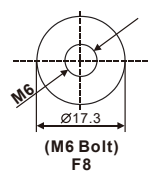
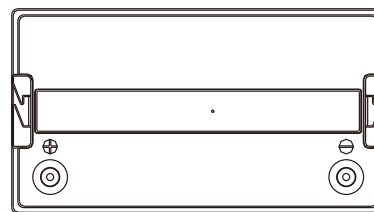


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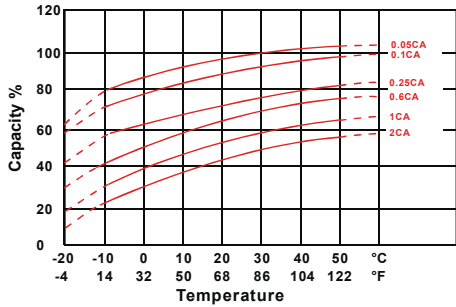
### DIMENSIONS

mm (inch)

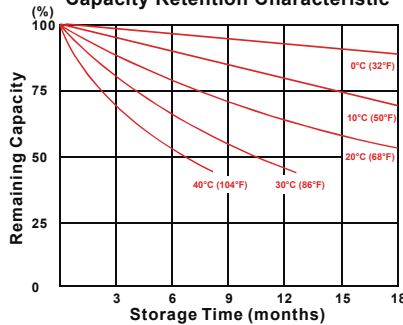


### CHARACTERISTICS CHARTS

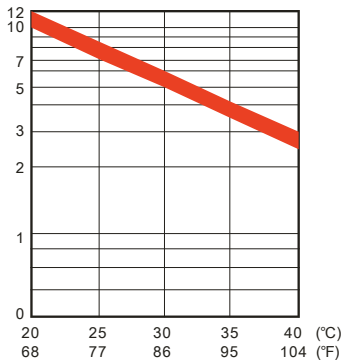
Effect of Temperature on Capacity 25°C (77°F)



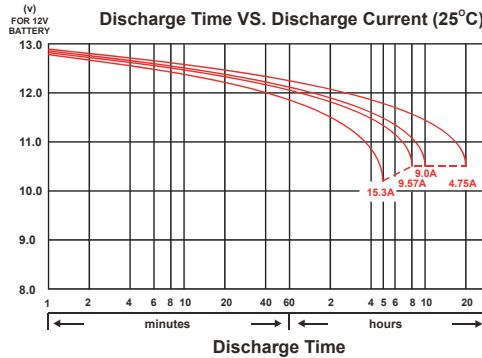
Capacity Retention Characteristic



Trickle (or float) Service Life



Discharge Time VS. Discharge Current (25°C)



### 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)

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.63V	1.60V
Time	min	588	606	639	686	726	747	765	784
5	min	399	409	428	454	474	484	491	498
10	min	309	316	328	345	359	365	369	373
15	min	251	255	264	277	287	291	294	297
20	min	191	194	199	208	214	216	217	
30	min	152	154	158	164	168	170		
40	min	128	130	133	137	140	142		
50	min	112	113	116	119	122	123		
60	min	63.2	63.7	64.6	66				
120	min								

Discharge Rates in Amperes to Various End Voltages at 25°C (77°F)

End Voltage		1.85V	1.83V	1.80V	1.75V	1.70V	1.67V	1.60V
Time	min	316	325	343	368	390	408	421
5	min	161	164	171	180	187	191	194
15	min	97	99	102	106	109	111	
30	min	56.00	57	58	60	61	62	
60	min	31.6	31.8	32.3	33			
120	min	17.1	17.2	17.4	17.7			
240	min	9.1	9.1	9.2	9.4			
480	min	8.6	8.7	8.8	9			
600	min	4.43	4.47	4.55	4.65			
1200	min							

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

The tolerance range : X < 6min (+15%~-15%), 6min ≤ X < 10min (+12%~-12%), 10min ≤ X < 60min (+8%~-8%), X ≥ 60min (+5%~-5%)

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. Oct2023