# Drypower

# UPS POWER RANGE HIGH RATE UPS POWER

**35W** 

**SLA** 

12V

# 12SB35WHR-F1F2

**Rechargeable AGM Sealed Lead Acid Battery** 

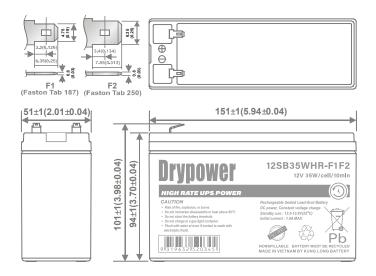
# SPECIFICATIONS

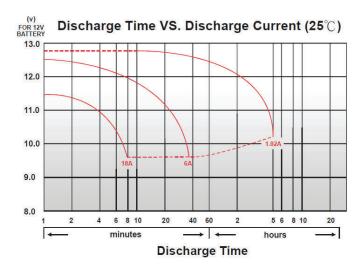
Nominal Voltage		12V			
Nominal Power					
10 min rate		35W/cell to 1.60V/cell			
15 min rate		26W/cell to 1.60V/cell			
Nominal Capacity					
20 hour rate	(0.332A to 10.50V)	6.64Ah			
10 hour rate	(0.619A to 10.50V)	6.19Ah			
5 hour rate	(1.02A to 10.20V)	5.1Ah			
1C	(6A to 9.60V)	3.8Ah			
3C	(18A to 9.60V)	2.4Ah			
Weight		Approx. 2.0kg			
Internal Resistance	e (at 1KHz)	Approx. 16mΩ			
Maximum Discharg	ge Current (5 secs)	90A			
Charge Methods a	t 25°C				
<b>Standby Use</b> Float Charging Coefficient -3.0r	•	13.5V to 13.8V			
Maximum Char	ging Current	1.8A			
Operating Temper	ature 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		F1– / F2+ (Faston Tab 187 and 250)			
Design Life		3-5 years			
Classified as a nor Approved for trans • Air (IATA/ICAO pr • Road • Sea (per IMDG Sp	portation by:				
Barcode		9319632520345			



DIMENSIONS

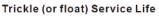
mm (inch)

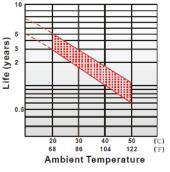




# **CHARACTERISTICS CHARTS**

#### Effect of Temperature on Capacity 25℃(77°F) 120 05CA 10 80 Capacity % .6CA 1CA 60 2CA 40 20 0 -20 40 -10 0 10 20 30 50 °F 32 68 86 104 122 50 -4 14 Temperature





# Capacity Retention Characteristic

3 6 9 12 15 Storage Time (months)

18

0

# **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	37.8	43.7	47.3	50.4	51.3	52.4	54		
8	min	28	32.5	35.7	38	39	39.8	41		
10	min	25.7	29.2	31.3	33	33.9	34.3	35.3		
15	min	20.3	22.4	23.8	25	25.3	25.8	26.3		
20	min	16.3	17.7	19	19.9	20.2	20.5	20.8		
30	min	13.3	14.3	14.8	15.2	15.4	15.6	15.9		
60	min	7.2	7.73	8.03	8.3	8.38	8.48	8.64		
120	min	4.4	4.65	4.87	5.02	5.07	5.13	5.22		
300	min	2.01	2.14	2.22	2.29	2.31	2.34	2.37		
600	min	1.26	1.29	1.3	1.31	1.32	1.32	1.33		
1200	min	0.688	0.7	0.709	0.717	0.72	0.723	0.726		

Discharge Rates in Amperes to Various End Voltages at 25°C (77°F) End Voltage 1.85V 1.80V 1.70V 1.67V 1.65V 1.60V 1.75V Time 5 19.1 22.6 24.9 27 27.7 28.6 29.8 min 8 min 17 18.8 19.9 20.8 21.1 21.5 22.1 10 14 2 15 7 16.8 17.7 18 184 19 min 15 11.3 12.2 12.9 13.6 13.7 13.9 min 13.4 10.2 10.3 20 min 9.71 10.7 10.9 11 11.2 30 6.78 7.19 7.46 7.69 7.78 7.9 8.07 min 3.85 4.32 60 min 3.63 4 4.13 4.19 4.24 120 1.88 2.01 2.12 2.21 2 25 2.29 2 34 min 300 0.961 1.032 1.071 1.097 1.108 1.12 1.13 min 600 0.593 0.612 0.619 0.626 0.628 0.631 0.636 min 1200 0.319 0.327 0.332 0.337 0.339 0.341 0.343 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%)

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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.