



Banner

STAND BY BULL

Bloc FPL: Type FPL 12-40 → FPL 12-190

Banner Stand by Bull Bloc FPL is a sealed, valve-regulated pure lead battery of the very latest design. Apart from an extremely high current output, it also offers a service life that is unmatched by any other product in this segment. Moreover, smaller capacities can be employed for the same performance requirement, which secures the advantages of a marked reduction in weight and the battery footprint.

Features

- Block batteries, 12 V rated voltage
- Front connection
- Zero-maintenance for entire service life
- Compensation charge voltage of 2.27 V/cell
- Recommended temperature range of 20°C (max. -0°C to +40°C)
- Non-hazardous article according to FAA and IATA (pursuant to Packaging Regulation 806)
- Flame-retardant casing pursuant to UL 94-VO
- Corrosion-resistant terminal design
- Top voltage level in the high current range
- Central degassing
- Service life design of 15 years (very long life according to EUROBAT)

Design

- Positive electrode
Pure lead mesh plate, punched and double pasted
- Negative electrode
Pure lead mesh plate, punched and double pasted
- Separation
Glass fibre non-woven web
- Casing material
ABS, bonded cover, hot welded
- Electrolyte
Extremely pure sulphuric acid bound into a web
- Terminal design
Electrolyte-tight safety terminal sealed with epoxy resin
- Cell connections
COS-Interior welding through the casing wall
- Cell plug
Safety valve with an overpressure ventilation system for 2 psi (14 Kpa) gas pressure





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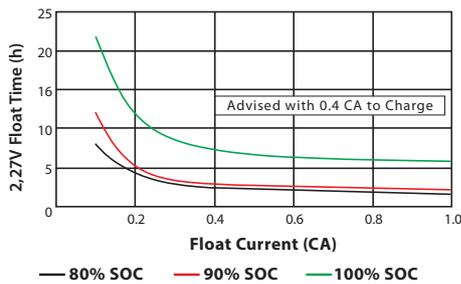
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Technical details

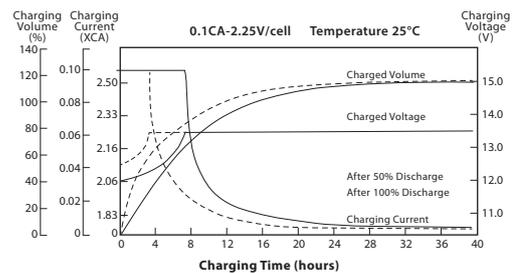
Type	Nennspann. in Volt	Capacity in Ah			Dimensions					Charge voltage max. A	Type of connection	Total weight kg
		C 10	C 5	C 3	Length mm	Width mm	Height mm	Ri mOhm	Terminal No			
FPL 12-40	12	38	34,8	34,5	97	298	184	4,6	2	14	M8	12,5
FPL 12-62	12	62	54	54,6	97	280	267	4,9	2	24	M8	19
FPL 12-100	12	100	87	64,1	108	397	287	3	2	40	M8	31
FPL 12-150	12	150	132,5	101,2	125	562	260	3,6	2	60	M8	46,5
FPL 12-190	12	190	181	170,1	125	562	320	3	2	76	M8	60

The given electrical values are valid for loads in a fully charged condition and an ambient temperature of 20°C.

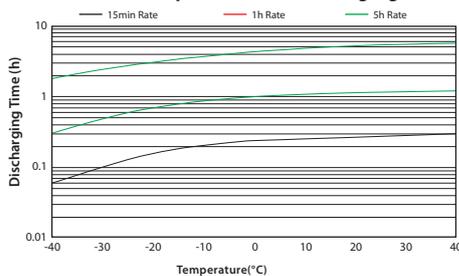
Float Current vs Float Time



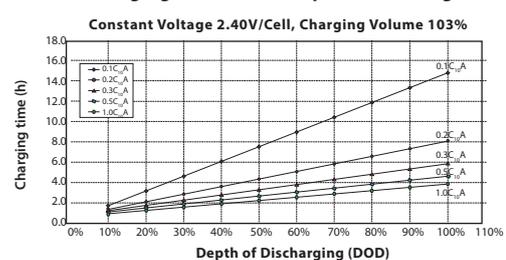
Charging Characteristics



Effect of Temperature on Discharging Time



Charging Time vs The Depth of Discharge



Installation

The blocks are suitable for position-independent installation on racks or in cabinets. On request, we supply special racks for zones subject to earthquakes, telecommunications applications and UPS systems. The safety regulations according to EN 50272-2 are to be observed, particularly those relating to ventilation. Charging must be adjusted to the voltage limits stipulated in our data sheets.

All figures relating to dimensions and weight are subject to the standard production tolerances.

The electrical values are approximate. Our products are subject to ongoing development, therefore we retain the right to make changes without an obligation to inform.

Presented by:

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