

# Extreme Frontterminal-Batterien von EBT



## Acme-F Series

### Front Access VRLA Battery

#### Range summary

The Acme F range of front access VRLA batteries has been specifically designed for applications using 19" and 23" cabinets, especially telecoms. Reliability is assured with the patented post seal and a state-of-the-art design developed to comply with the latest IEC, BS and Telcordia standards. A 12+ years design life and centralised venting system add to the suitability and flexibility of this superior range.

#### Main applications

- Telecom standby and cyclical applications
- UPS
- Power system

#### Technical features

- Real front-access terminal connections for fast and easy installation and maintenance
- Easy on easy off multi-purpose design terminal protector
- Suitable for 19", 23" racking or cabinet
- Proven excellent special lead-tin-calcium formula alloy for grids and plates
- Microporous glass mats in low resistance as separator
- Flame retardant ABS material container and cover compliant with UL94 V-0
- Self-regulating pressure relief valve
- 12+ years expectant life under full float service at 68°F (20°C)

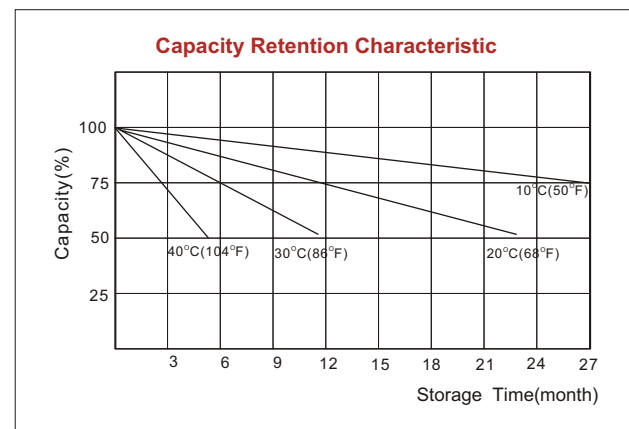
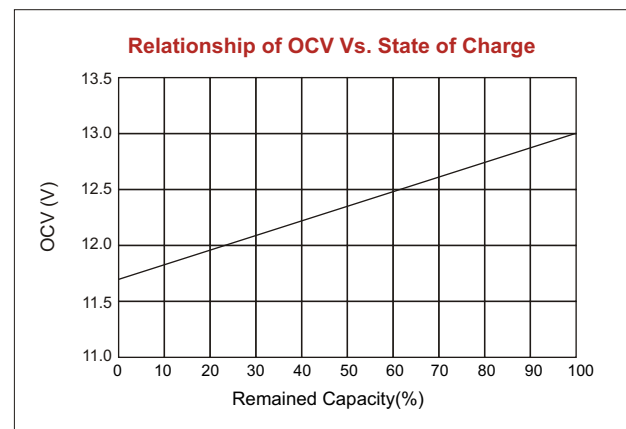
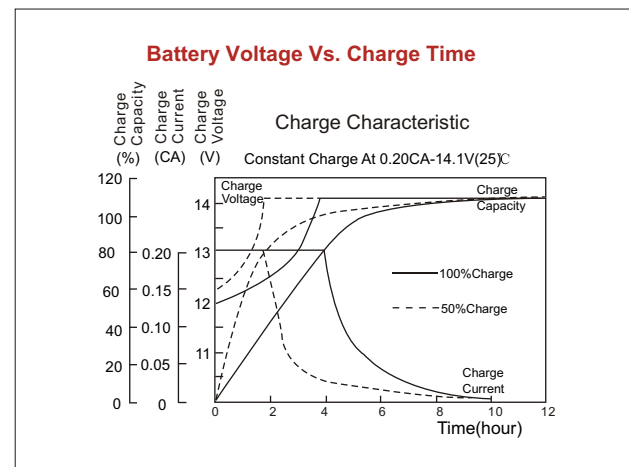
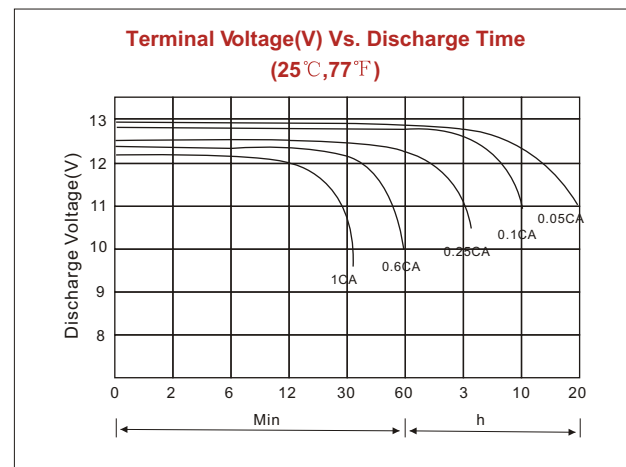


- >The terminal protector for Acme.F batteries are designed with special probe hole allowing safe and easier voltage testing and suitable for all connection means.
- >The specially centralized venting system ensures the small gas be vented out of the closed cabinet
- >The premium Acme.F batteries are ensured the quality with NARADA's QA system according to the ISO90001 and ISO14001 standard

#### Narada Acme series battery specification

Cell Type	Nominal voltage (V)	Rated Capacity C <sub>10</sub> (Ah)	Dimensions(mm)			Weight (kg)
			Length	Width	Height	
12NDT26	12	26	250	97	148.5	9.3
12NDF50	12	50	390	105	200	21.0
12NDT60	12	60	280	105	280	20.0
12NDF85	12	85	390	105	270	31.0
12NDF100	12	100	390	105	287	33.5
12NDT100A	12	100	390	105	287	33.0
12NDF125	12	125	558	125	270	45.0
12NDF155	12	155	558	125	270	52.5
12NDT180	12	180	558	125	316	60.0
12NDT190	12	190	558	125	316	60.5

#### Characteristics curve



#### Charging Procedures

Application	Charge Voltage (V/Cell)			Max. Charge Current (A)
	Temperature (°C)	Set Point	Allowable Range	
Cycle	25	2.40	2.35~2.40	0.25C
Standby	25	2.25	2.23~2.27	

#### Internal resistance and short circuit current (25°C)

Cell Type	Internal resistance (mΩ)	Short circuit current (A)
12NDT26	10.3	1218
12NDF50	8.87	1407
12NDF85	6.47	1864
12NDF100	6.31	1979
12NDF125	5.70	2229
12NDF155	4.27	2906
12NDT180	3.88	3200
12NDT190	3.88	3200
12NDT100A	6.31	1979

Note: Short circuit current will decrease the voltage of the battery to 0V, and damage the internal components of the battery.

#### Compliant standards

- IEC 60896-21/22
- BS 6290 Part 4
- Telcordia SR-4228
- Eurobat guide
- UL
- Manufactured under system ISO9001 & ISO14001 by NARADA

#### Products characteristics

- Recommended float charge voltage for 12V battery: 2.25Vpc at 68°F (20°C)
- Self discharge rate: < 2% pre month at 68°F (20°C)
- Design life: more than 12 years at 68°F (20°C)
- Shelf life: 6 months at 68°F (20°C)
- Valve regulated system, no water addition needed
- Terminal Hardware Torque: 10±1.0N m
- Container Material: ABS (V0 optional)



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