EverExceed®
power your applications

Standard Range VRLA

EverExceed® Patented Robust AGM Technology

HIGH PERFORMANCE

ST-6230

VALVE REGULATED LEAD ACID BATTERY FOR TELECOM / ELECTRIC UTILITY APPLICATIONS

6V 230 AH @ 10 HR to 1.80VPC

6V 264 AH @ 20 HR to 1.75VPC

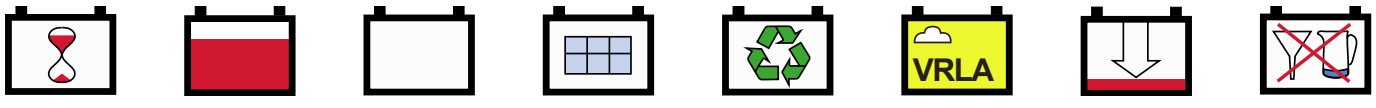
LONG DURATION

Innovative Features

- Thick positive plate design for maximum service float life 12 years design life @ 20°C(68°F).
- UL Recognized component.
- Valve regulated lead acid battery (VRLA).
- High-Compression Absorbed Glass Mat technology (AGM) for greater than 99% recombination efficiency.
- Proprietary Fixed Orifice Plate Pasting technology applying active materials on both sides of the grid for consistent cell-to-cell performance, higher capacity and uniform grid protection.
- Operates at a low internal pressure.
- Heavy duty insert copper alloy terminals for ease of assembly, reduced maintenance and increased safety.
- Advanced lead tin calcium alloy, reduces grid corrosion and promotes long battery life.
- Over-sized, through the partition inter-cell welds provide low resistance connections, with minimal power loss.
- Flame arresting, low pressure safety release venting system for individual cells, recognized per U.L. 924.
- Multicell design for ease of installation and maintenance
- Horizontal or vertical operation.
- **Standard:**
  Reinforced ABS (UL 94HB) container and cover
  Optional:
  Flame-retardant reinforced ABS container and cover compliant with U.L.94 V-0 with an Oxygen limiting Index of greater than 28%.

6 VOLTS - 230 AMPERE HOUR @ 10 HOUR RATE										
AH Capacity to 1.80VPC @ 68°F (20°C)										
End Point Volts/Cell	1.5hr	2hr	3hr	4hr	5hr	8hr	10hr	12hr	20hr	24hr
1.80	167	177	188	196	205	222	230	235	258	259

For Telecom / Electric Utility Applications



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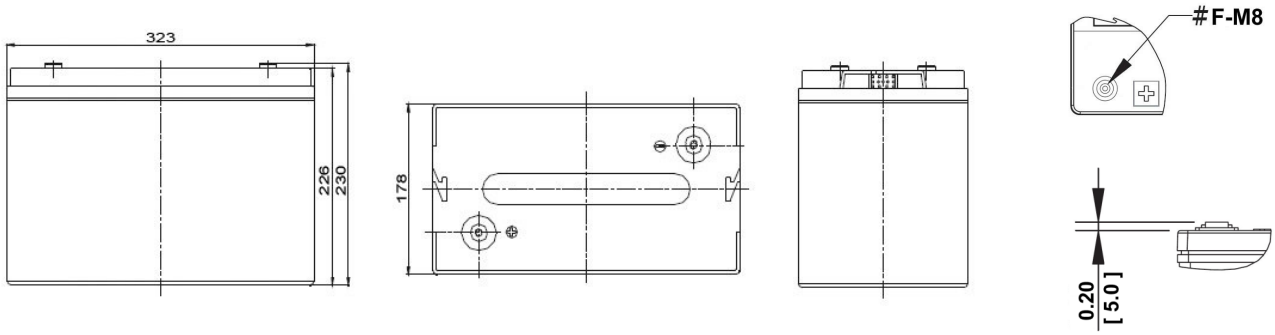

Length: 323mm Width: 178mm Height: 230mm

Electrical Specifications						
Cells Per Unit	Voltage Per Unit	Weight	Electrolyte	Maximum Discharge Current	Short Circuit Current	Ohms Imped 60 Hz(Ω)
3	6.42	73.9lbs 33.5kg	SG = 1.300	1460 Amps	5600 Amps	0.0015

Capacity	264 Ah @ 20 hr. rate to 1.75 volts per cell @ 68°F (20°C). 230 Ah @ 10 hr. rate to 1.80 volts per cell @ 68°F (20°C).
Applicable Operating Temperature Range	-40°F (-40°C) to +158°F (70°C).
Ideal Operating Temperature Range	+68°F (+20°C) to +82.4°F (28°C).
Floating Charging Voltage	6.75 to 6.90 VDC/unit Average at 68°F~77°F (20°C~25°C).
Recommended Maximum Charging Current Limit	0.25C20 amperes (66.0 amperes @ 100% depth of discharge) @ 20 hr. rate.
Equalization and Cycle Service Charging Voltage	7.20 to 7.40 VDC/unit Average at 68°F~77°F (20°C~25°C).
Maximum AC Ripple (Charger)	0.5% RMS or 1.5% P-P of float charge voltage recommended for best results. Maximum voltage allowed = 1.4% RMS (4% P-P). Maximum current allowed = 13.2 amperes RMS (C/20).
Self Discharge	EverExceed Standard Range batteries may be stored for up to 12 months at 68°F~77°F (20°C~25°C) and then a freshening charge is required. For higher temperatures the time interval will be shorter.
Accessories	Inter unit connectors racks and cabinet systems are available.
Terminal: Inserted	Threaded copper alloy insert terminal
Terminal Hardware Initial Torque: Inserted Terminal	11 N-m

Constant Power Discharging Ratings - Watts Per Cell @ 20°C (68°F)										
End Point Volts/Cell	1.5hr	2hr	3hr	4hr	5hr	8hr	10hr	12hr	20hr	24hr
1.85	199	164	116	91.5	76.1	52.5	43.8	37.9	24.9	20.5
1.80	213	168	121	95.8	79.8	54.7	45.5	38.9	25.5	21.6
1.75	220	174	123	97.7	81.4	55.6	46.4	39.6	26.1	22.0

Constant Current Discharging Ratings - Amperes Per Cell @ 20°C (68°F)										
End Point Volts/Cell	1.5hr	2hr	3hr	4hr	5hr	8hr	10hr	12hr	20hr	24hr
1.85	104	83.0	59.0	46.4	38.5	26.7	22.0	18.6	12.3	10.1
1.80	111	88.3	62.8	49.1	40.9	27.7	23.0	19.6	12.9	10.8
1.75	113	90.1	64.1	50.4	41.5	28.3	23.7	20.2	13.2	11.1

Note: Batteries to be mounted with 0.5 in (1.25 cm) spacing minimum and free air ventilation.
Specifications subject to change without notification.