



EverExceed Patented Robust AGM Technology

ST-6300
VALVE REGULATED
LEAD ACID BATTERY
FOR TELECOM / ELECTRIC
UTILITY APPLICATIONS

6V 300 AH to 1.80VPC @ 10 HR RATE
6V 345 AH to 1.75VPC @ 20 HR RATE

LONG
DURATION

HIGH
PERFORMANCE

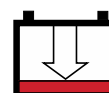
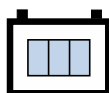


Features

- ☑ Thick positive plate design for maximum service float life 10 year design life @ 25°C(77°F).
- ☑ UL Recognized component.
- ☑ Valve regulated lead acid battery (VRLA).
- ☑ High-Compression Absorbed Glass Mat technology (AGM) for greater than 99% recombination efficiency.
- ☑ 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.
- ☑ **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%.
- ☑ 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.

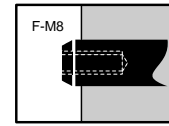
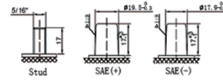
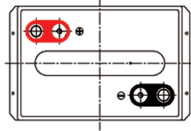
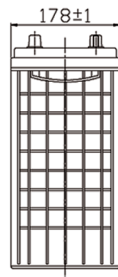
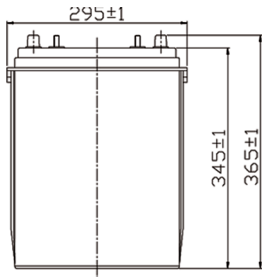
6 VOLTS - 300 AMPERE HOUR @ 10 HOUR RATE										
AH Capacity to 1.80VPC @ 77°F (25°C)										
End Point Volts/Cell	1.5hr	2hr	3hr	4hr	5hr	8hr	10hr	12hr	20hr	24hr
1.80	217	231	244	256	266	288	300	307	333	338

For Telecom / Electric utility Applications



Standard Range VLRA

EverExceed[®]
power your applications



Length: 295mm
Width: 178mm
Height: 345mm

Electrical Specifications						
Cells Per Unit	Voltage Per Unit	Weight	Electrolyte	CCA at -18°C(0°F)	Short Circuit Current	Ohms Imped 60 Hz(Ω)
3	6.42	104lbs 47kg	SG = 1.3000	1650 Amps	6500 Amps	0.0014

Capacity	345 Ah @ 20 hr. rate to 1.75 volts per cell @ 77°F (25°C). 300 Ah @ 10 hr. rate to 1.80 volts per cell @ 25°C (77°F).
Applicable Operating Temperature Range	-40°F (-40°C) to +140°F (60°C).
Ideal Operating Temperature Range	+68°F (+20°C) to +77°F (25°C).
Floating Charging Voltage	13.5 to 13.8 VDC/unit Average at 77°F (25°C).
Recommended Maximum Charging Current Limit	0.25C20 amperes (86 amperes @ 100% depth of discharge) @ 20 hr. rate.
Equalization and Cycle Service Charging Voltage	14.4 to 14.8 VDC/unit Average at 77°F (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 = 17.2 amperes RMS (C/20).
Self Discharge	EverExceed Standard Range batteries may be stored for up to 6 months at 77°F (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 @ 25°C (77°F)										
End Point Volts/Cell	1.5hr	2hr	3hr	4hr	5hr	8hr	10hr	12hr	20hr	24hr
1.85	260	214	151	119	99.3	68.5	57.1	49.4	32.5	26.8
1.80	278	219	157	125	104	71.4	59.4	50.8	33.3	28.2
1.75	287	227	160	127	106	72.5	60.5	51.7	34.0	28.7

Constant Current Discharging Ratings - Ampere per Cell @ 25°C (77°F)										
End Point Volts/Cell	1.5hr	2hr	3hr	4hr	5hr	8hr	10hr	12hr	20hr	24hr
1.85	136	108	77	60.5	50.2	34.8	28.7	24.3	16.0	13.2
1.80	145	115	81.9	64.1	53.4	36.1	30.0	25.6	16.8	14.1
1.75	147	118	83.6	65.8	54.1	36.9	30.9	26.4	17.3	14.5

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

