



Standard Range VRLA

EverExceed®
power your applications

Long Duration and
High Performance

For Telecommunication
/ Electric Utility Applications



Dirección:

Av. Valle de Santiago No. 27
Col. Valle de Aragón 1a. Secc.
Nezahualcoyotl, Edo. de México
C.P. 57100

Tels.: 57 12 03 29, 57 12 09 65, 57 12 09 39

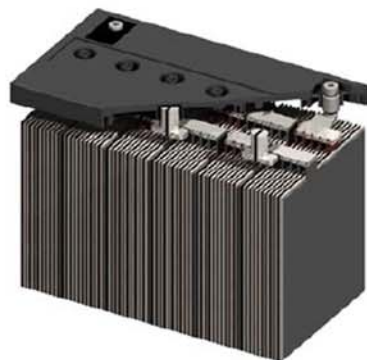
Fax: 57 12 04 30

Lada Sin Costo: 01 800 020 ISSO (4776)














www.iss9000.com.mx

www.tiendaisso9000.com

ST-1290 VALVE REGULATED LEAD ACID BATTERY FOR TELECOM / ELECTRIC UTILITY APPLICATIONS 12V 90 AH @ 10 HR RATE 12V 103 AH @ 20 HR RATE



FEATURES

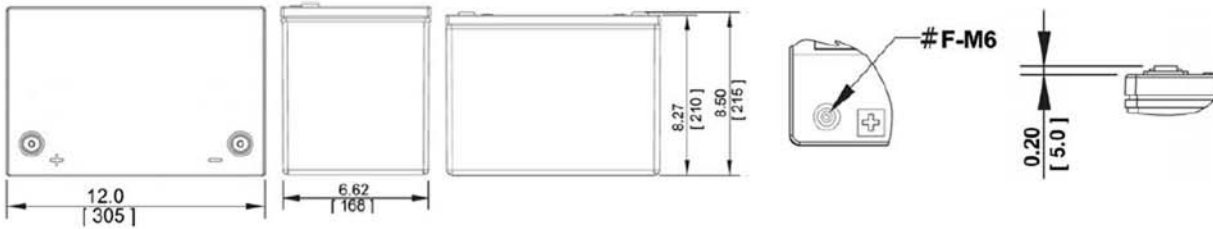
-  Thick positive plate design for maximum service float life - 10 year design life @ 25°C(77°F).
-   UL Recognized component .
-  Valve regulated lead acid battery (VRLA).
-  High-Compression Absorbed Glass Mat technology (AGM) for greater than 99% recombination efficiency.
-  Operates at a low internal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

12 VOLTS - 90 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
1.80	64.0	68.7	73.3	76.7	79.3	86.5	90.0	91.7	100

ST-1290



ST-1290 – Specifications

Cells Per Unit	Voltage Per Unit	Weight	Electrolyte	CCA at -18°C (0°F)	Short Circuit Current	Ohms Imped 60 Hz (Ω)
6	12.84	66.2 lbs 30 kg	Absorbed H ₂ SO ₄ SG = 1.300	510 Amps	2650 Amps	0.0040

Capacity	103 Ah @ 20 hr. rate to 1.75 volts per cell @ 77°F (25°C). 90 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 (25.75 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 = 5.15 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	9 N-m

Constant Power Discharge Ratings – Watts Per Cell @ 77°F (25°C)

End Point Volts/Cell	Operating Time to End Point Voltage (in hour)									
	1.5	2	3	4	5	8	10	12	20	24
1.85	77.5	62.4	45.2	35.5	30.2	20.3	16.7	14.6	9.65	7.93
1.80	81.5	65.9	47.3	37.4	31.5	21.3	17.7	15.2	9.96	8.43
1.75	84.2	67.5	48.3	38.2	32.2	21.8	18.2	15.5	10.2	8.61

Constant Current Discharge Ratings – Amperes @ 77°F (25°C)

End Point Volts/Cell	Operating Time to End Point Voltage (in hour)									
	1.5	2	3	4	5	8	10	12	20	24
1.85	40.3	32.3	23.0	18.0	15.0	10.2	8.41	7.25	4.83	3.93
1.80	42.7	34.3	24.5	19.1	15.9	10.9	9.00	7.65	5.00	4.23
1.75	43.7	35.1	25.0	19.7	16.3	11.1	9.25	7.85	5.14	4.35

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