



APPLICATIONS

- WIRELINE
- WIRELESS
- MICROWAVE
- MOBILE SWITCHING SYSTEMS
- BROADBAND HEADEND
- SWITCHGEAR
- DSL
- BROADBAND LOOP CARRIER
- FIBER INTERFACE
- WIRELESS BACKHAUL

ENCLOSURE FEATURES

- Single wall indoor & outdoor NEMA 1, 3R, 4, 4X
- Rugged welded construction
- Bolting and connections situated inside enclosure
- Insulated top and side walls (optional)
- Security locking hinged doors
- Secure grounding system
- Passive Cooling system integrated on door
- Quick installation and maintenance
- DC-powered fans
- Active Cooling systems (Heat Exchanger or Air Conditioner)
- 17RU to 42RU
- 6 in. &, 10 in. Pedestal (optional)
- UBC/IBC 2009 Seismic Zone 4 and NEBS Zone 4 (optional)



EDS-IES-S-110108

VRLA BATTERY FEATURES

The **Long Duration (LD & LDG)** Valve Regulated Lead Acid batteries are designed to provide the latest advancement in plate and battery technology offering high energy densities, exceptional service life, low self-discharge, high cycling capabilities and low float charge current characteristics.

LDG VRLA batteries with a patented Nano-gel technology are specifically designed for outdoor applications where deep cycling and high temperatures are experienced while offering superior heat dissipation and the highest level of reliability and service longevity.

LD & LDG VRLA batteries with optimized recombination technology and superior performance are specifically engineered and designed for Telecommunication applications.

LD & LDG VRLA batteries are manufactured in compliance with Telcordia NEBS, GR, and SR standards, IEC, BS, and UL safety and performance standards.



BATTERY FEATURES

- Classified as Nonspillable UN 2800 (no air, ground, or sea transportation restrictions)
- NEBS Version 4, Level 3, EUROBAT Guide, BS6290 Part 4, IEC 60896-21/-22
- Telcordia GR-1089-CORE Issue 4, GR-63-CORE Issue 4, SR-4228, GR-1200-CORE Issue 1

BATTERY SPECIFICATIONS

CONSTANT CURRENT DISCHARGE TIME IN HOURS (AMPS) at 77°F (25°C) to 1.75vpc

Model No.	1 String				2 Strings				3 Strings				4 Strings			
	2	4	6	8	2	4	6	8	2	4	6	8	2	4	6	8
LD12-55F	21.4	11.7	8.3	6.6	42.8	23.4	16.6	13.2	64.2	35.1	24.9	19.8	85.6	46.8	33.2	26.4
LD12-90F	33.9	19.5	14.1	10.9	67.8	39	28.2	21.8	101	58.5	42.3	32.7	135	78	56.4	43.6
LD12-100F	39.6	25.4	18.3	13.1	79.2	50.8	36.6	26.2	118	76.2	54.9	39.3	158	101	73.2	52.4
LD12-105F	40	23	16.7	13	80	46	33.4	26	120	69	50.1	39	160	92	66.8	52
LD12-120F	46.4	26.7	19.3	14.9	92.8	53.4	38.6	29.8	139	80	57.9	44.7	185	106	77.2	59.6
LD12-150F	58.1	33.4	24.2	18.7	116	66.8	48.4	37.4	174	100	72.6	56.1	232	133	96.8	74.8
LD12-155F	60.2	34.7	25.1	19.4	120	69.4	50.2	38.8	180	104	75.3	58.2	240	138	100	77.6
LD12-155FW	60.2	34.7	25.1	19.4	120	69.4	50.2	38.8	180	104	75.3	58.2	240	138	100	77.6
LD12-170F	66.3	38.1	27.6	21.3	132	76.2	55.2	42.6	198	114	82.8	63.9	265	152	110	85.2
LD12-180F	70	40.3	29.2	22.5	140	80.6	58.4	45	210	120	87.6	67.5	280	161	116	90
LD12-190F	73.8	42.5	30.8	23.8	147	85	61.6	47.6	221	127	92.4	71.4	295	170	123	95.2
LD12-200F	77.7	44.8	32.5	25.1	155	89.6	65	50.2	233	134	97.5	75.3	310	179	130	100
LD12-250F	96.6	55.7	40.5	31.2	193	111	81	62.4	289	167	121	93.6	386	222	162	124

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CABINET SPECIFICATIONS

		24 in. W x 26 in. D		Available RU			
19" Rack Mount	Rack units	Height in.	Height mm	(1) Tray	(2) Tray	(3) Tray	(4) Tray
OTC / ITC 242638	17	38	966	9	1	-	-
OTC / ITC 242648	23	49	1245	15	7	-	-
OTC / ITC 242655	27	56	1423	19	11	3	-
OTC / ITC 242664	32	64	1626	24	16	8	0
OTC / ITC 242672	36	72	1804	28	20	12	4
OTC / ITC 242681	42	82	2083	34	26	18	10

		26 in. W x 26 in. D		Available RU			
23" Rack Mount	Rack units	Height in.	Height mm	(1) Tray	(2) Tray	(3) Tray	(4) Tray
OTC / ITC 262638	17	38	966	9	1	-	-
OTC / ITC 262649	23	49	1245	15	7	-	-
OTC / ITC 262656	27	56	1423	19	11	3	-
OTC / ITC 262664	32	64	1626	24	16	8	0
OTC / ITC 262672	36	72	1804	28	20	12	4
OTC / ITC 262682	42	82	2083	34	26	18	10

		28 in. W x 30 in. D		Available RU			
25" Rack Mount	Rack units	Height in.	Height mm	(1) Tray	(2) Tray	(3) Tray	(4) Tray
OTC / ITC 283038	17	38	966	9	1	-	-
OTC / ITC 283049	23	49	1245	15	7	-	-
OTC / ITC 283056	27	56	1423	19	11	3	-
OTC / ITC 283064	32	64	1626	24	16	8	0
OTC / ITC 283072	36	72	1804	28	20	12	4
OTC / ITC 283082	42	82	2083	34	26	18	10

BATTERY RU & CABINET SPECIFICATIONS

19" Rack Mount Batteries		RU
LD12-90F	10.26	7
LD12-100F	11.26	8
LD12-105F	9.29	7
LD12-120F	9.41	7
LD12-150F	11.3	8
LD12-155F	11.3	8

23" Rack Mount Batteries		RU
LD12-125F	11.3	8
LD12-155F	12.4	8
LD12-170F	12.4	8
LD12-180F	12.4	8
LD12-190F	12.4	8
LD12-200F	12.4	8

25" Rack Mount Batteries		RU
LD12-250F	12.4	8

CABINET SPECIFICATIONS

Electrical	
DC Power	Rectifiers 500W, 1000W, 2000W, 2500W, 3000W (24, 48, -48)
Distribution	Circuit breakers & fuse options available, LVBD
	Temperature Probes, Alarms, Dual AC input, Lan, RS232
Mechanical	
Security	LOTIC / ITC cable, vandal-proof hinges, multi-point IOTC
Cable Entry	Top (left, right, or rear) and bottom
Material	Aluminum / Steel /Stainless Steel
Mounting	PAD mounted
Coating	TGIC polyester powder coat
	19" and 23" rack widths - Standard EIA hole spacing
Options / Accessories	
Heat Exchanger	Closed-loop door mounted air-air, 25 - 300 W/K
TEC A/C	100 - 500 W /K
A/C	400 - 10,000 BTU/Hr
Fan filter	100, 200, 350 W/K
Heater	200 - 900W
Cable	Configurable for battery and load connections
Cable gland plates	Tailored to suit site RF, DC, AC Coax needs
Grounding bars	Mains, DC, RF
Service light	
Smoke Detector	
Environmental protection	IP55 (IEC529) / NEMA Type 3R / NEMA 4 / NEMA 4X
Seismic	IBC/UBC Zone 4 , NEBS Zone 4
Color	Telco Gray, ultra-light grey, Black , White, Blue, Standard color is off-white; additional color options are, available (telephone gray, black, C.O. white, network blue, putty white)



Telecom Heat Exchangers are specifically designed to control the internal environment of outdoor cabinets which require higher IP grade NEMA and capable of controlling internal temperature by energy-efficient and highly reliable means.



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