

PowerSafe[®]

Telecommunications, Utility

NCR Seismic Zone 4 Battery System



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EnerSys[®]
Power/Full Solutions

RESERVE
POWER

Publication No: US-NCR-SYS-AA November 2016

Rack Features

- The EnerSys® NCR battery rack is an ideal solution for critical applications requiring high energy density, high reliability and NEBS™ compliance.
- Fully welded structure.
- Houses up to six 48V strings or twelve 24V strings of PowerSafe® SBS or V Front Terminal batteries, both known for long life and reliability.
- The EnerSys NCR rack houses PowerSafe® V and PowerSafe® SBS front terminal battery models.
- PowerSafe SBS battery types also offer unequalled energy density.

- Both battery systems can be customized to meet the specific power requirement at each remote terminal or small central office.
- Multi-string systems are a viable and more reliable alternative to large capacity single-string modular batteries.

System Features

- NEBS compliant
- High energy density
- Pre-wired for quick installation
- Front terminals for easy maintenance
- Redundant strings for high reliability
- Optional circuit breakers



48V 1,140Ah Systems,
Six Strings of SBS190F



Optional circuit breakers



PowerSafe® SBS® Batteries

PowerSafe SBS batteries have been developed to provide not only long float service life but also designed to provide controlled high cycling and fast recharge performance in unreliable grid applications.



PowerSafe® V Batteries

The new PowerSafe V Front Terminal platform now features proprietary Thin Plate Pure Lead (TPPL) technology which provides extended shelf life, lower corrosion and gas evolution. Designed to meet the most rigorous international standards, the PowerSafe V Front Terminal batteries are recognized worldwide as a premium solution for Telecom Applications.

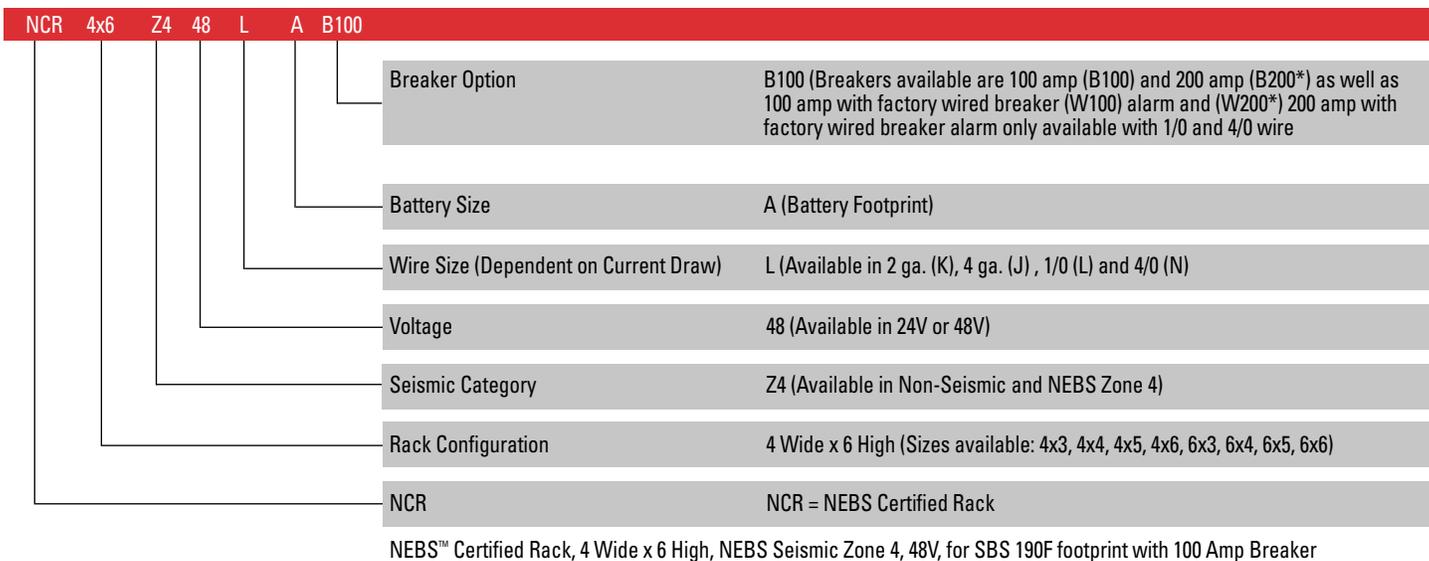
NCR Battery Rack Part Number Formula

NCR	4 x 6	Z4	24	J	A	B100	
Prefix	Rack Configuration X Wide x Y High	Seismic Category	Voltage	Wire	Battery Size Category	Breaker Option	
Digits 1-3	Digits 4-6	Digits 7-8	Digits 9-10	Digit 11	Digit 12	Digits 13-16	
NCR	4x3 4 wide x 3 high	Z0 Non-Seismic	24 24 Volts	J 4 ga. Wire (172 Amps)	A	SBFS 170F	NOBR No Breaker
	4x4 4 wide x 4 high	Z4 NEBS™ Zone 4	48 48 Volts	K 2 ga. Wire (232 Amps)		SBFS 190F	B100 100 Amp, 1 Pole Breaker
	4x5 4 wide x 5 high			L 1/0 ga. Wire (305 Amps)			B200* 200 Amp, 2 Pole Breaker
	4x6 4 wide x 6 high			N 4/0 ga. Wire (484 Amps)			W100 100 Amp, 1 Pole Breaker
	6x3 6 wide x 3 high					12V155FS	Factory Wired Breaker Alarm
	6x4 6 wide x 4 high					12V170FS	(NC Signal Only)
	6x5 6 wide x 5 high					12V190F	W200* 200 Amp, 2 Pole Breaker
	6x6 6 wide x 6 high						Factory Wired Breaker Alarm

Optional:

CVR-TR4W	4-Wide Rack Front Cover, Clear, Polycarbonate; one per tier
CVR-TR6W	6-Wide Rack Front Cover, Clear, Polycarbonate; one per tier
19RM	4-Wide Rack 19" Relay Rack mounting brackets, available on 4 high and 5 high racks only
23RM	4-Wide Rack 23" Relay Rack mounting brackets, available on 4 high and 5 high racks only

* Only available on racks with 1/0 & 4/0 Wire Sizes



Rack Configuration X Wide x Y High		Dimensions (in.)			
Digits 4-6		Width	Depth	Height	Weight (lbs)
4x3	4 Wide x 3 High	26.0	24.0	44.0	260
4x4	4 Wide x 4 High	26.0	24.0	84.0	385
4x5	4 Wide x 5 High	26.0	24.0	84.0	410
4x6	4 Wide x 6 High	26.0	24.0	84.0	440
6x3	6 Wide x 3 High	36.75	24.0	44.0	460
6x4	6 Wide x 4 High	36.75	24.0	84.0	610
6x5	6 Wide x 5 High	36.75	24.0	84.0	680
6x6	6 Wide x 6 High	36.75	24.0	84.0	750



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Subject to revisions without prior notice. E.&O.E.

Publication No: US-NCR-SYS-AA November 2016