

# SiteStar<sup>®</sup> Cabinets

Advanced active  
cooling technology



SiteStar<sup>®</sup> Cabinets will  
multiply your battery  
life and cut your  
energy costs.



# SiteStar<sup>®</sup> Cabinets are ideal for use in a range of applications, including telecom backup, renewable energy, and hybrid genset.

- Designed to be the industry's most cost-effective and energy-efficient telecom backup solution
- Multiply the lifespan of your batteries
- Up to 95% power saving compared to traditional airconditioned battery cabinets
- Designed for harsh outdoor environments
- Low power consumption reduces CO<sub>2</sub> emissions
- Eco Mode to optimize energy consumption
- Summary or individual alarm output
- Battery capacity up to 4 strings of 48V 210 Ah
- Dual skin construction with foam insulation outer liner made of powder coated steel
- Ingress protection class IP55 for SiteStar<sup>®</sup> Small and IP45 for SiteStar<sup>®</sup>+ cabinets.
- Non destruct -40°C to +60°C (-40°F to +140°F)\*  
\* If temperature of operating environment is consistently high please consult NorthStar

## What is SiteStar<sup>®</sup> Technology?

SiteStar<sup>®</sup> Technology is an innovative range of advanced components, design innovations, and manufacturing processes that together multiply battery lifetime and save energy.

Using SiteStar<sup>®</sup> Technology, our cabinets can ensure optimal operating conditions for batteries, with low thermal conductivity, maintenance-free design and low weight for easy transport and installation.

Battery performance is strongly affected by environment temperatures. Every 10°C increase from the ideal operating temperature of 20°C halves the life of a battery. So at 40°C, a battery that should last 10 years can last only 2.5 years. Our SiteStar<sup>®</sup> technology will extend your battery life and save you energy.

SiteStar<sup>®</sup> cabinets are designed for both indoor and outdoor environments, with a unique combination of low thermal conductive materials and a high-efficiency climate solution. With an extremely cost-effective cooling technology and a cabinet shell that allows minimal transfer of temperatures, we keep your batteries at optimal operating temperature, with the energy usage equivalent to a single light bulb. This means the SiteStar<sup>®</sup> cabinets offer up to 95% power savings compared to air-conditioned cabinets.

## Introducing SiteStar<sup>®</sup>+

SiteStar<sup>®</sup>+ is our latest addition to the SiteStar<sup>®</sup> family. SiteStar<sup>®</sup>+ uses the same core technology as the rest of the SiteStar<sup>®</sup> portfolio, but comes with enhanced features such as 3 x the cooling capacity, larger footprint for added battery capacity, and improved safety and reliability. SiteStar<sup>®</sup>+ is specifically designed for the toughest conditions in the market, where it can meet NEBS requirements, earthquake requirements, and is optimal for cooling both lead-acid and lithium batteries.

# Technical Data



SiteStar®+ Tall



SiteStar®+ Tall



SiteStar® Small

Version	EQ0	EQ4*	N/A
Size (W x D x H)	700 x 860 x 1800 mm (27 x 34 x 71 in)	700 x 860 x 1800 mm (27 x 34 x 71 in)	660 x 780 x 1100 mm (26 x 31 x 43 in)
Weight cabinet complete	136 kg (300 lbs) including 4 shelves	248 kg (547 lbs) including 4 shelves	80 kg (176 lbs) including 2 shelves
Internal load handling	1200 kg (2645 lbs)	1200 kg (2645 lbs)	600 kg (1324 lbs)
Ingress protection class	IP45	IP45	IP55
Color	NCS-S 2002-G	NCS-S 2002-G	NCS-S 2002-G
Battery capacity	16 x 210 Ah 12 V	16 x 210 Ah 12 V	8 x 210 Ah 12 V
DC connection	-40 V to -57.6 V DC	-40 V to -57.6 V DC	-42 V to -58 V DC (-48 V DC nominal)
Cooling system	Active cooling	Active cooling	Active cooling
Power consumption (Average at 35°C /95°F ambient temp in ECO Mode)	48 Watt on float charge	48 Watt on float charge	34 W
Power consumption max at cooling	205 W	205 W	160 W
Power consumption max at heating	361 W	361 W	300 W
Alarm connection	Individual; CLU, internal and door; D-sub 9, NC	Individual; CLU, internal and door; D-sub 9, NC	Individual; CLU, internal and door; D-sub 9, NC
Acoustic noise @ 35°C/95°F	6.8 Bel[A]	6.8 Bel[A]	N/A

\*EQ4 must be ordered from factory

**NorthStar Americas**

NorthStar Battery Company LLC  
4000 Continental Way  
Springfield, MO, 65803,  
United States of America  
info@northstarbattery.com  
Tel: +1 417 575 8200  
Fax: +1 417 575 8250

**NorthStar Europe**

SiteTel Sweden AB  
Haukadalsgatan 8A  
164 40 Kista  
Stockholm, Sweden  
europe@northstarsitetel.com  
Tel: +46 8 410 102 00  
Fax: +46 8 638 06 00

**NorthStar Middle East, Africa**

NorthStar Battery DMCC  
Office 702, Saba 1 Tower  
Jumeirah Lake Towers, Dubai  
United Arab Emirates  
mea@northstarsitetel.com  
Tel: +971 4 423 8060  
Fax: +971 4 423 8061

**NorthStar Asia-Pacific**

NS Asia Pacific Sdn. Bhd.  
B2-3A-13A, Solaris Dutamas  
No. 1, Jalan Dutamas 1, 50480  
Kuala Lumpur, Malaysia  
asia@northstarbattery.com  
Tel Shanghai +21 6237 6300  
Tel Shenzhen +755 2689 6525