

SiteStar® Cabinets

Advanced active
cooling technology



SiteStar® Cabinets will
multiply your battery
life and cut your
energy costs.

LOW
POWER
USAGE

ACTIVE
COOLING

EASY
INSTALLATION



SiteStar® 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 CO₂ emissions
- Eco Mode to optimize energy consumption
- Summary or individual alarm output
- Battery capacity up to 4 strings of 48V 210 Ah
- 2 and 3 string SiteStar Secure versions available to protect your batteries from theft and vandalism
- Dual skin construction with foam insulation outer liner made of powder coated stainless steel
- Ingress protection class IP55
- 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® Technology?

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

Using SiteStar® 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. This drives up replacement costs and severely increases the impact on the environment. Our SiteStar® technology will extend your battery life and save you energy.

SiteStar® 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® cabinets offer up to 95% power savings compared to air-conditioned cabinets.

Technical Data



SiteStar® Small

Size (W x D x H)	660 x 780 x 1100 mm (26 x 31 x 43 in)
Weight cabinet complete	75 kg (165 lbs)
Weight battery shelf	5 kg (11 lbs)
Internal load handling	600 kg (1324 lbs)
Encapsulation	IP55 Class
Color	NCS-S 2002-G
Battery capacity	8 x 210 Ah 12 V
DC connection	-42 V to -58 V DC (-48 V DC nominal)
Power consumption (Average at 35°C / 95°F ambient temp in ECO Mode)	34 W
Power consumption max at cooling	160 W
Power consumption max at heating	300 W
Alarm connection	Individual; CLU, internal and door; D-sub 9, NC



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