

Cooling Systems

DC Air Conditioner



Introduction

Nian DC Air Conditioning Systems are designed to keep the telecommunications sites cool and the related equipment and battery section at the required temperatures. Nian DC Air conditioner is also suitable for cooling outdoor sites in challenging climates to ensure the long service life demanded by telecommunications companies aware of the fact that a reliable network depends strongly on continuously running sites with no interruptions under any ambient conditions.

They are capable to run on backup batteries, thereby safe guard the full function of the telecommunications sites also during unpredictable power outage.

An automatic low voltage disconnection prolongs the battery life in case of occurrence of a low voltage power condition. Nian DC Air Conditioners are therefore highly appropriated and applied specially in telecommunications sites with back-up batteries and hybrid sites.

Features

- Fully custom design
- Cost effective
- High efficiency
- Soft starting system avoiding the typical start-up inrush current
- Auto low-voltage supply disconnection
- Variable cooling set point
- Small and compact design
- Flexible installation and maintenance
- Environmentally friendly refrigerant R134a
- Expected service life of 10 years
- Smart cooling control systems
- Reduction of OPEX and TCO
- Wide range input voltage
- LED alarm indicator
- Remote monitoring and control
- Brushless DC electric motor technology
- Weather-proof covering
- Ideal for battery and power outdoor cabinet
- User friendly with LCD display
- IP Grad 55 in accordance to IEC62208 & IEC60529

DC Air Conditioner Specification

Model	NAC500	NAC550	NAC650	NAC1250	NAC1500	NAC2000	NAC3000
Cooling Capacity	500	550	650	1250	1500	2000	3000
@ L35c/35c (W)	150	160	190	370	395	570	850
Power Consumption							
@ L35c/35c (W)	3.3	3.4	3.4	3.4	3.5	3.5	3.5
COP @ L35c/35c							
Noise	55db	55db	65db	65db	65db	65db	65db
Control	Smart						
Color	RAL7035						
Mounting	Door Mounted						
Working Temp. Range (c)	-40c-+55c						
IP Protection Level	55						
Refrigerant	R134a						
CE & RoHS Compliance	Yes						
Voltage (DC)	-43-60v						
Weight(Kg)	18.85	18.85	18.85	30			
Dimensions HxWxD (mm)	622x344x180	622x344x180	622x344x180	713x426x230	935x415x230	935x415x230	1170x410x230