



Einführung

The GreenTech Series is a sustainable generator solution designed to reduce environmental impact through alternative fuel compatibility, low emission levels, and reduced noise output. With HVO fuel support and advanced exhaust and safety systems, it ensures compliance with environmental standards and significantly reduces carbon emissions. The GreenTech Series offers lifecycle performance certified by EPD and LCA. Through the use of recycled and bioplastic materials, hybrid-ready infrastructure, and environmentally conscious production processes, the GreenTech Series contributes to long-term sustainability goals.

Leistung

3 Phase, 50 Hz, PF 0.8

Spannung (V)	Bereitschaftsleistung (ESP)		Primärleistung		Standby-Strom
	kW	kVA	kW	kVA	
400 / 231	440,0	550	400,0	500	794

„STANDBY-RATING (ESP) Gilt für die Stromversorgung wechselnder elektrischer Lasten für die Dauer einer Stromunterbrechung einer zuverlässigen Versorgungsquelle. ESP entspricht ISO 8528-1. Überlast ist nicht erlaubt.“

PRIME RATING (PRP) Gilt für die Stromversorgung unterschiedlicher elektrischer Lasten für unbegrenzte Stunden. PRP entspricht ISO 8528-1. 10 % Überlast ist für einen Zeitraum von 1 Stunde innerhalb eines 12-stündigen Betriebszeitraums verfügbar.

Allgemeine Charakteristiken

Modellname	AC 550 - GTS
Frequenz (Hz)	50
Treibstoffart	Diesel
Motor Marke und Modell	Cummins KTA19-G4
Marke und Modell des Generators	Stamford HCI544C
Steuerung Modell	InteliMains NT
Schalldämmhaube	GTS 20
Lärmpegel @1m./@7m. (dB(A))	85 / 76.7

Motorspezifikationen

Allgemeine Daten

Der Hersteller behält sich das Recht vor, ohne vorherige Ankündigung Änderungen an Modell, technischen Spezifikationen, Farbe, Ausstattung und Zubehör vorzunehmen.

04/08/2026



Hersteller	Cummins
Motor Modell	KTA19-G4
Anzahl der Zylinder	6 cylinders - in line
Bohrung (mm)	159
Hub (mm.)	159
Hubraum (lt.)	18.9
Kompressionsrate	13.9:1
Motorumdrehungen (U/min)	1500
Standby-Leistung (kW/PS)	504/675
Prime Leistung (kW/PS)	448/600
Kühlwasservorwärmung Anzahl	1
Kühlwasservorwärmung (Watt)	3000
Drehzahlregelung	Electronic
Luftfilter	Dry Type
Ansaugung	Turbo Charged and After Cooled

Schmiersystem

Ölkapazität (lt)	50
Max. Öltemperatur (°C)	121

Kraftstoffsystem

Treibstoffart	Diesel
Injektionsart und -system	Direct
Typ der Kraftstoffpumpe	Cummins PT

Elektrisches System

Betriebsspannung (Vdc)	24 Vdc
Batterie und Kapazität (Menge/Ah)	2x120

Kühlsystem

Kühlungsmethode	Water Cooled
	30

Abgassystem

Abgasstrom (m³/min.)	96.24
Abgastemp. (C)	557
Wärmeabgabe an das Abgas	361

Kühler



Gesamtkühlmittelkapazität (lt) 120

Externe Einschränkung des Kühlluftstroms (Pa) 125

Kraftstoffverbrauch

Kraftstoffverbrauch Prime mit 100 % Leistung (l/h) 107

Kraftstoffverbrauch Prime mit 75 % Leistung (l/h) 82

Kraftstoffverbrauch Prime mit 50 % Leistung (l/h) 57

Eigenschaften des Generators

Hersteller Stamford

Generatormodell HCI544C

Frequenz (Hz) 50

Leistung (kVA) 500

Spannung (V) 400

Phase 3

Regler AS440

Spannungsregulierung 1

Isoliersystem H

Schutz IP23

Nennleistungsfaktor 0.8

Gewicht kompletter Generator (kg) 1263

Temperaturerhöhungs-Klasse H

Kühlungsluft (m³/min) 62.1

Abmessungen des offenen Aggregates

Länge (mm) 3205

Breite (mm) 1550

Höhe (mm) 2091

3850

Tankinhalt (lt.) 850

Eigenschaften der Schalldämmhaube

Länge (mm) 5000

Breite (mm) 2200

Höhe (mm) 2468

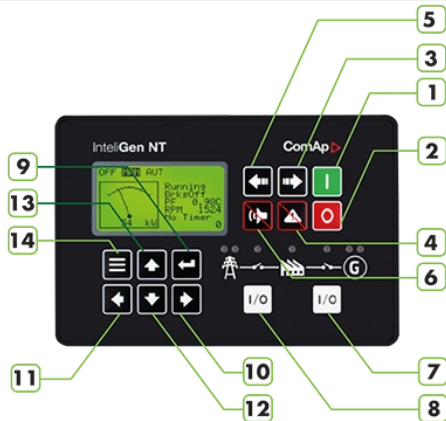
Trockengewicht (kg.) 4860

Tankinhalt (lt.) 850



Steuerung

Hersteller	Comap
Steuerungsmodul Modell	InteliMains NT
Kommunikationsanschlüsse	CANBUS



1. Start
2. Stop
3. Mode > OFF > MAN > AUT > TEST
4. Fault Reset
5. Mode < OFF < MAN < AUT < TEST
6. Horn Reset
7. GCB control (Open/Close)
8. MCB control (Open/Close)
9. Enter
10. 5% Increase of edited setpoint's value.
11. 5% decrease of edited setpoint's value.
12. Decrease setpoint value.
13. Increase setpoint value.
14. Escape.

Standardgeräte

- 6 Binary Outputs
- 6 Binary Inputs
- Mains and Bus Voltage measurement (3-phase)
- Mains Current measurement (3-phase)
- Auxiliary Current measurement (1-phase)
- RS485 Communication port for universal use
- RS232 Communication port
- CAN1 Communication port (for extension modules)
- CAN2 Communication port (for intercontroller communication and monitoring)

Steuergerät

InteliMains-NT controller is comprehensive mains supervision controller for multiple generating sets operating in parallel to the Mains. A modular construction allow upgrades to different levels of complexity in order to provide the best solution for various customer applications.

NT Family controllers are equipped with a powerful graphic display showing icons, symbols and bargraphs for intuitive operation, which sets, together with high functionality, new standards in Gen-setcontrols.

The controller automatically connects and synchronizes two parts of bus bar and controls the bus tie circuit breaker (BTB).

Bau und Fertigstellung

Components installed in a sheet steel enclosure.

Phosphate chemical, pre-coating of steel provides corrosion resistant surface.

Polyester composite powder topcoat forms high gloss and an extremely durable finish.

Lockable hinged panel door provides for easy component access.

Installation

Prepare the screw holders

Locate four sockets for screw holders

Insert the unit into cut-out in a switchboard and insert all four screw holders accordingly to their positions

Tighten as required to fix the controller in the position



Standardspezifikationen

- BTB controlled by IntelliMains-NT
- Highly customizable behavior of breaker control (dead bus, blockation of closing etc.)
- Synchronization (voltage and phase matching) of two control groups separated by IntelliMainsBTB with various settings (which group synchronizes to which etc.)
- Load shedding control (based on power transferred via BTB)
- Full PLC logic included (useful in complex systems – BTB can for example serve as auxiliary PLC for other controllers)
- Support of redundancy controller
- Full set of protections for BusL and additional protections for BusR
- Group Link function
- Active calls and SMS

Optionen

8 Binary inputs and 8 Binary outputs packed in a smallunit (HWswitchable to IO16/0)
16 Binary inputs packed in a smallunit (HWswitchable to IO8/8)
8 Analog inputs and 1 pulse/frequency input in a smallunit
8 Thermocouple Analog inputs in a smallunit
8 Analog inputs packed in a rugged metalunit
8 Binary inputs, 8 Binary outputs, 4 Analog inputs and 1 Analog output in a unit
15 Binary LEDoutput (3 colors)packed in a rugged metalunit
8 Analog outputs packed in a rugged metalunit
Multiple Internet connections (PCand Modbus)to allcontrollers on CAN2 orRS485
Direct connection (PC)to allcontrollers on CAN2 orRS485

Compliance-Liste des Control Panels

- EN 60068-2-6 ed.2:2008
- EN 60068-2-27 ed.2:2010
- EN 60068-2-30, May2000
- EN 60068-2-64 EN 61010-1:2003

Statisches Batterieladegerät

Battery charger is manufactured with switching-mode and SMD technology and it has high efficiency.
Battery charger models' output V-I characteristic is very close to square
2405 has fully output short circuit protection and it can be used as a current source.
2405 charger has high efficiency, long life, low failure rate, lightweight and low heat radiated in accordance with linear alternatives.
The charger is fitted with a protection diode across the output.
Charge fail output is available.
Connect charge fail relay coil between the positive output and CF output.
Input: 196-264V.
Output: 27,6V 5A or 13,8V 5A.

Standard Ausrüstung



- Water cooled, Diesel engine
- Radiator with mechanical fan
- Protective grille for rotating and hot parts
- Electric starter and charge alternator
- Starting battery (with lead acid) including rack and cables
- Engine coolant heater
- Base frame design incorporates an integral fuel tank and anti-vibration isolators
- Flexible fuel connection hoses
- Single bearing, class H alternator
- Industrial exhaust silencer and steel bellows supplied separately (for open sets)
- Static battery charger
- Manual for application and installation

Optionale Ausrüstung

Motor

- Fuel-Water Separator Filter
- Oil heater

Generator

- Anti-Condensation Heater
- Over sized alternator
- PMG excitation + AVR
- Main line circuit breaker

Steuerung

- Automatic synchronising and power control system (Multi gen-set Parallel)
- Parallel system with mains
- Transition synchronization with mains
- Alarm output relays
- Earth fault, single set
- Parallel system with mains
- Remote relay output
- Remote communication with modem
- Charge Ammeter

Transferpanel

- Three or four pole contactor
- Three or four pole motor operated circuit breaker

Zusatzausrüstung

- Main Fuel Tank
- Automatic or manual fuel filling system
- Electrical or manual oil drain pump
- Low and high fuel level alarm
- Inlet and outlet motorized louvers
- Inlet and outlet acoustic baffles
- Tool kit for maintenance
- 1500/3000 hours maintenance kit
- Supplied with oil and coolant (-30°C)

Auspuff

- Residential Silencer
- Silencer Spark Arrester
- Critical Silencer
- Catalytic Converter

Gehäuse

- Galvanized Coating
- ISO Container
- Marine Grade Paint

Optionales Generatorsteuerfeld

Please contact to your reseller for additional Alternator, Control Panel and Breaker Switch options.

Aksa-Zertifikate

Richtlinie

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04/08/2026



- 2006/42/EC : Machinery Safety Directive
- 2014/30/EU : Electromagnetic Compatibility Directive
- 2014/35/EU : Low Voltage Directive

Standards

- TS ISO 8528-5:2022 / TS EN ISO 8528-13:2018 : Reciprocating internal combustion engine-driven alternating current generating sets- Part:13: Safety

Quality Management Systems

ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
ISO 50001:2018
ISO 27001:2013
ISO 10002:2018