



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.

3 Phase, 50 Hz, PF 0.8

V	(ESP)		(PRP)		(A)
	kW	kVA	kW	kVA	
400 / 231	440.0	550	400.0	500	794

备用额定值 (ESP) 适用于在可靠电源断电期间向变化的电力负载供电。

ESP符合ISO 8528-1。不允许过载。

主用功率 (PRP) 适用于在不受限制的时间内为变化的电力负载供电。PRP符合ISO 8528-1。在12小时的周期内允许1小时的10%过载能力。

	AC 550 - GTS
Hz	50
	Diesel
	Cummins KTA19-G4
	Stamford HCI544C
	InteliMains NT
	GTS 20
@1m, @7m (dB(A))	85 / 76.7



	Cummins
	KTA19-G4
	6 cylinders - in line
mm	159
mm	159
lt.	18.9
	13.9:1
rpm	1500
kW/HP	504/675
kW/HP	448/600
	1
	3000
	Electronic
	Dry Type
	Turbo Charged and After Cooled
lt	50
°C	121
	Diesel
	Direct
	Cummins PT
Vdc	24 Vdc
/Ah	2x120
	Water Cooled
	30
m³/min	96.24
°C	557
kW	361
lt	120



Pa

125

100% lt/hr

107

75% lt/hr

82

50% lt/hr

57

Stamford

HCl544C

Hz

50

KVA

500

V

400

3

AS440

1

H

IP23

0.8

kg

1263

H

(m³/min)

62.1

3205

mm

1550

mm

2091

3850

lt

850

5000

mm

2200

mm

2468

kg

4860

lt

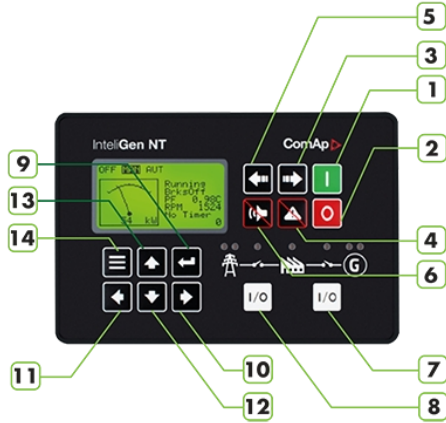
850



Comap

InteliMains NT

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.

- 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)

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).

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.

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



- BTB controlled by InteliMains-NT
- Highly customizable behavior of breaker control (dead bus, blockation of closing etc.)
- Synchronization (voltage and phase matching) of two control groups separated by InteliMainsBTB 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

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

- 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

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.

- 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

- Fuel-Water Separator Filter
- Oil heater

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

- 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

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

- 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)

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

- Galvanized Coating
- ISO Container
- Marine Grade Paint

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

指令

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



- 2014/35/EU : Low Voltage Directive

标准

- 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