



Ürün Hakkında

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.

Güç

3 Phase, 50 Hz, PF 0.8

Voltaj (V)	STANDBY GÜÇ(ESP)		PRIME GÜÇ (PRP)		STANDBY AKIM (A)
	kW	kVA	kW	kVA	
400 / 231	440,0	550	400.0	500	794

STANDBY RATING (ESP) Güvenilir bir şebeke kaynağının güç kesintisi süresince değişken elektrik yüküne güç sağlamak için geçerlidir. ESP, ISO 8528-1'e uygundur. Aşırı yüklemeye izin verilmez.

PRIME RATING (PRP) Değişken elektrik yüküne sınırsız saat boyunca güç sağlamak için geçerlidir. PRP, ISO 8528-1'e uygundur. %10 aşırı yük kapasitesi, 12 saatlik çalışma süresi içinde 1 saatlik bir süre için kullanılabilir.

Genel Özellikler

Model Adı	AC 550 - GTS
Frekans (Hz)	50
Yakıt Tipi	Diesel
Motor Marka ve Modeli	Cummins KTA19-G4
Alternatör Marka ve Modeli	Stamford HCI544C
Kontrol Panel Modeli	InteliMains NT
Kabin Modeli	GTS 20
Ses Seviyesi @1m , @7m (dB(A))	85 / 76.7

Motor Özellikleri

Genel Bilgiler

Üretici	Cummins
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Üretici haber vermeksizin model, teknik özellikler, renk, donanım ve aksesuarlarda değişiklik yapma hakkını saklı tutar.

02/08/2026



Motor Modeli	KTA19-G4
Silindir Sayısı / Tipi	6 cylinders - in line
Bore mm (in)	159
Stroke mm (in)	159
Hacim l (cu. In)	18.9
Sıkıştırma Oranı	13.9:1
Motor Hızı (rpm)	1500
Standby Güç (kW/hp)	504/675
Prime Güç (kW/hp)	448/600
Blok Isıtıcı (Adt)	1
Blok Isıtıcı Gücü (Watt)	3000
Governor Sistemi	Electronic
Hava Filtresi	Dry Type
Hava Emiş	Turbo Charged and After Cooled

Yağlama Sistemi

Yağ Kapasitesi l (gal)	50
Maks. Yağ Sıcaklığı °C (F)	121

Yakıt Sistemi

Yakıt Tipi	Diesel
Enjeksiyon Tipi	Direct
Yakıt Pompa Tipi	Cummins PT

Elektrik Sistemi

Çalışma Voltajı (Vdc)	24 Vdc
Akü ve Kapasite (Adt/Ah)	2x120

Soğutma Sistemi

Soğutma Metodu	Water Cooled
Soğutma Suyu Kapasitesi (yalnızca motor)l (gal)	30

Egzoz Sistemi

Egzoz Gaz Debisi (m³/dk)	96.24
Egzoz Gaz Sıcaklığı °C (F)	557
Egzoz Geçen Isı kW (BTU/min)	361

Radyatör

Toplam Soğutma Suyu Kapasitesi (l)	120
Soğutma Havası Harici Direnç (Pa)	125

**Yakıt Tüketimi**

%100 Prime Yükte Yakıt Tüketimi l/h (kg/h)	107
%75 Prime Yükte Yakıt Tüketimi l/h (kg/h)	82
%50 Prime Yükte Yakıt Tüketimi l/h (kg/h)	57

Alternator Özellikleri

Üretici	Stamford
Alternatör Model	HCI544C
Frekans (Hz)	50
Güç (kVA)	500
Voltaj (V)	400
Faz	3
A.V.R.	AS440
Voltaj Regülasyon	1
Yalıtım Sınıfı	H
Koruma Sınıfı	IP23
Nominal Güç Faktörü	0.8
Toplam Generator Ağırlık (kg)	1263
Sıcaklık Artış Sınıfı	H
Soğutma Havası (m³/dk)	62.1

Açık Jeneratör Boyutları

Uzunluk mm	3205
Genişlik mm	1550
Yükseklik mm	2091
Açık Gen.Set Brüt Ağırlık, Kuru kg	3850
Yakıt Tank Kapasitesi (l)	850

Kabin Özellikleri

Uzunluk mm	5000
Genişlik mm	2200
Yükseklik mm	2468
Kuru Ağırlık kg	4860
Yakıt Tank Kapasitesi (l)	850

Kontrol Paneli

Üretici	Comap
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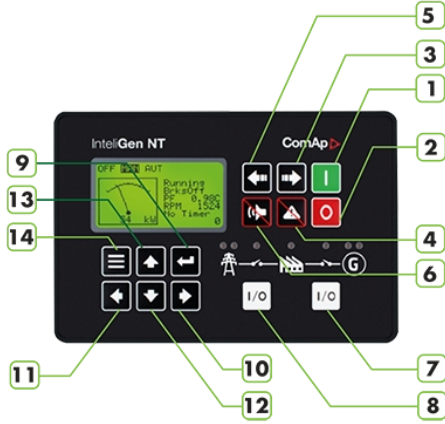


Kontrol Modül Modeli

IntelliMains NT

İletişim Portları

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.

Standart Cihazlar

- 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)

Kontrol Ünitesi

IntelliMains-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).

Yapım ve Boya

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.

Montaj

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

Standart Özellikler

- 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

Opsiyonlar

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

Kontrol Paneli Uyumluluk Listesi

- 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

Statik Akü Şarj Cihazı

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.

Standart Ekipmanlar

- 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

Opsiyonel Ekipmanlar

Motor

- Fuel-Water Separator Filter
- Oil heater

Alternatör

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

Kontrol Paneli

- 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

Transfer Panosu

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

Yardımcı Ekipmanlar

- 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)

Egzoz

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

Kabin

- Galvanized Coating
- ISO Container
- Marine Grade Paint

Opsiyonel Alternatör ve Kontrol Paneli

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

Aksa Sertifikalar

Direktifler

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

**Standartlar**

- 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