



Aksa power generation system, providing optimum performance, and reliability, for stationary prime power exclusively for Telecommunication.. All generator sets are factory build, and production tested.

3 Phase, 50 Hz, PF 0.8

V	(ESP)		(PRP)		(A)
	kW	kVA	kW	kVA	
400 / 231	88.0	110	80.00	100	159

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。

	APD-T 110 BD-S3A
Hz	50
	Diesel
	Baudouin 4M10G6D3/5
	Aksa AK 490
	D-500
	AKCELL-30

	Baudouin
	4M10G6D3/5
	4 cylinders - in line
mm	105



mm	118
lt.	4.09
	17.5:1
rpm	1500
kW/HP	105/141
kW/HP	96/129
	1
	750
	ECU
	Dry Type
	Turbo Charged and After Cooled
lt	13
°C	115
	Diesel
	Direct
	HPCR (High Pressure Common Rail)
Vdc	12 Vdc
/Ah	1x66
A	80
	Water Cooled
	9.4
m³/min	20.87
kPa	8
°C	720
kW	69.6
lt	36
m³/min	125.7
Pa	125



100% lt/hr	22.31
75% lt/hr	16.58
50% lt/hr	11.43

	Aksa
	AK 490
Hz	50
KVA	112.5
V	400
	3
	SX460
	1
	H
	IP22
	0.8
kg	431
(m³/min)	30,84

	2600
mm	1400
mm	1608
lt	600

	Datcom
	D-500
	MODBUS

Menu navigation buttons
 Close mains button
 Main Status and instrumentation display
 Alarm LED's
 Close generator button
 Status LED's
 Operation selecting buttons



The D-500 is a next-generation genset control unit combining multi-functionality and wide communication possibilities together with a reliable and low-cost design.

- Battery back-up real-time clock
- Battery charge run enabled
- Battery voltage

Storage temperature: -40°C to 80°C (-40 to +176°F)
Maximum humidity: 95% non-condensing.
IP Protection: IP65 from front panel, IP30 from the rear (with gasket)
Dimensions: 200 x 148 x 46mm (WxHxD)
Panel Cut-out Dimensions: 176 x 121 mm minimum.
Weight: 450 g (approx.)
Case Material: High Temperature, non-flammable ABS/PC

Installation: Flat surface mounting on a Type 1 enclosure. Rear retaining plastic brackets.

- Fuel filling & fuel theft alarms
- Idle speed control
- Combat mode support
- Multiple nominal conditions
- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power counters
- Fuel filling counter
- Fuel consumption counter
- Modem & ethernet diagnostics
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allows SMS controls
- Ready for central monitoring

**Ethernet & GPRS**

- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity (USB&RS232)

- 4-band GPRS modem (optional)

EU Directives Conformity

- 2006/95/EC (low voltage)
- 2004/108/EC (electro-magnetic compatibility)

Norms of reference:

- EN 61010 (safety requirements)
- EN 61326 (EMC requirements)

UL & CSA Compatibility:

- UL 6200, Controls for Stationary Engine Driven Assemblies (File# - 20140725-E314374)
- CAN/CSA C22.2 No. 14-13 – Industrial Control Equipment

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
- Control Board integrated with ATS Panel
- 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 and oil heater
- Fuel level sensor and heater
- Sound attenuated canopy with sub-base fuel tank and anti-vibration isolators
- Lifting points on top
- Door access sensors



- Motion sensor for unauthorized movement
- Lockable doors and internal fuel cap
- External fuel drainage pipes and protection lid
- 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

- Ambient heater
- Resizable 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)

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