



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.

Monophase, 50 Hz, PF 1

V	(ESP)		(PRP)		(A)
	kW	kVA	kW	kVA	
230	17.6	22	16.00	20	96

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 22 BD-S3A-M
Hz	50
	Diesel
	Baudouin 4M08G4D3/5
	Aksa
	D-500
	AKCELL-10
	Baudouin
	4M08G4D3/5
	4 cylinders - in line
mm	98



mm	105
lt.	3.17
	17.2:1
rpm	1500
kW/HP	28/37
kW/HP	25/34
	1
	500
	ECU
	Dry Type
	Naturally Aspirated
lt	10.2
°C	130
	Diesel
	Direct
	HPCR (High Pressure Common Rail)
Vdc	12 Vdc
/Ah	1x55
A	35
	Water Cooled
	5
m³/min	5.89
kPa	8
°C	≤650
kW	20.8
lt	7.7
m³/min	97.5
Pa	125



100% lt/hr	6.42
75% lt/hr	4.92
50% lt/hr	3.63

	Aksa
	AK 232
Hz	50
KVA	23
V	231
	1
	AS460
	1,5%
	H
	IP22
	0,8
kg	226
(m³/min)	9

	2200
mm	1200
mm	1688
kg	1420
lt	600

	Datacom
	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