

PW-849T6 powered by:

4006-23TAG3A

DESIGN SPECIFICATIONS

√High quality,reliable,long life and complete power unit. √ compact design.

√Easy start and maintenance possibility.

VEvery generating set is subject to a comprehensive test programme which includes full load testing and checking and proving of all control and safety shut down functions testing.

√Fully engineered with a wide range of options and

accessories:Electrical,mechanical,soundproof canopy and mobile units

Diesel Genset Features P.F=0.8 3Phase Generating Set Performance P.R.P 849 Standby 944 Service Rated output Active power output※ kW Rated Speed r.p.m 1800 400/230 Standard Voltage Voltage available V 380/220-400/230 - 416/240 - 440/254 - 460/265 - 600/346 V

e data refer to Standard Reference Conditions of ISO 8528:+25°C.100m ALT, relative humidity 30

ower reduction acc.to DIN ISO 3046 Standard values: Above 100m ALT approx.1% per 100m. Above 25 °C (77°F) approx.4% per 10 °C (50°F).

1800 r.p.m		
	P.R.P	Standby
KW	759	839
	Per	rkins
	4006-23TAG3A	
	Direct	
	turbocharged	
	6	i-L
mm	160X190	
L	22.	921
	W:	ater
	API CG4	4 15W/40
	13	.6:1
L/h	20	0.0
%	<	0.1
L		20
Type	Elec	tronic
	mm L L/h %	P.R.P KW 759 Pei 4006-2 Di turboc 6 mm 160 L 22 W API CG API CG L/h 20 % < < L 11

1)P.R.P. Prime Power - ISO 8528:PRIME POWER is the maximum power available during a variable power sequence, which may be run for an unlimited number of hours per year, between stated maintenance intervals. The permissible average power output during a 24 hours period shall not exceed 80% of the prime power. 10% overload available for governing purposes only.

Nax Standby power -ISO 3046 Fuel Stop power.Power available for use at variable loads for limited annual time (500h), within the following limits of maximum operating time: 100% load 25h per year ,90% load 200h per year. to overload available. Applicable in case of failure of the main in areas of reliable electrical network.

Synchronous Generator		
Manufacturer		Guericke
Model		GRK 679G4
Rated output		679
Poles	num	4
Winding Conections (standard)		Star-serie
Insulation	class	Н
Enclosure(according to IEC-34-5)		IP23
Phases		3+N
Votage Regulaors		A.V.R (PMG MX341)
Steady voltage precision		within±1.5% from no load to full loading with cosΦ=0.8-1.0

** Alternator used by GTL Gensets meet the requirements of following Standard:BS5000,VDE0530,NEMA MG1-32,IEC34,CA C22.2-100,AS1359

Generationg Set Installation Data		1800 r.p.m
EXHAUST SYSTEM		
Exhaust Gas Temperature at full load	℃	500
Exhaust Gas Temperature at full load	°F	932
Exhaust gas flow	L/s	3483.3
Maximum allowed back pressure	Кра	3
AIR REQUIREMENT		
Air requirement for combustion at 100% load/rated speed	L/s	1266.7
Air requirement for combustion at 100% load/rated speed	ft3/min(CFM)	2682.4
ELECTRIC STARTING SYSTEM		
Starting motor output	kw	7.5
Minimum Recommended Battery Capacity-Cold Soak @ 32°F (to 0°C)	CCA	1000
Standard Battery Charging System	A	55
Auxiliary voltage	V	24
LUBRICATION SYSTEM		
Lube oil system including sump,filters,etc.	L	113.4

Standard Control Panel -EPmaster EPM7

Protection, distribution, and automatic control panel, which starts the generator set when it detects a mains failure and stops it when the mains is restored with the control unit EPM7. It also starts and stops the group manually via a pushbutton or remote start-up by contact.

It has the following:

- Emergency stop push button
- ② Protections:
- Circuit breaker (preheating resist.) 2P (16 A)
- Protection fuses for control module
- ③ Voltage&speed trimmers
- Battery charger
- ⑤ DC switch Working Lamp switch
- ⑦ Distribution:Direct output of the circuit breaker
- ® EPM7&EPM7+(cloud monitoring
- communication 4G)control and protection centre













EPmaster EPM7

t has a digital LCD screen, which provides easy reading of the information regarding the Engine, Alterator, Mains and Charging. The controller meets all requirements for Auto Mains Failure (AMF) applications ncluding remote communication and internet control, user configuration and complete genset monitoring and protection.

Protection of the engine and alternator, with READINGS that can be made: Other characteristics: the ALARMS activated: Engine: cooling temperature/oil pressure/revolution speed Engine: low oil pressure/high coolant temperature/low and hi Event log, real-time clock, scheduled start & stop generator (can be set as start genset once a day/week/month whether with load or not). Maximu (rpm)/fuel level/battery voltage/battery alternator voltage/c gh battery Voltage./failure of the alternator to charge batteries rating hours/number of start Low fuel level. m 99 event logs can be memorized. Alterator: I ow and high voltage/low and high frequency/overl With maintenance function. Types (date or running time) can be optional and actions (Alterator: voltages between phases and between phases nd neutral/frequency/phase sequence ever, warning, or shutdown) can be set when maintenance time out. Mains: frequency/voltages between phases and between Equipped with CANBUS port and can communicate with J1939 enginet. Not only can phases and neutral (L1-N, L2-N,L3-N)/voltages between phases and (L1-L2, L2-L3, L1-L3)/phase sequence Mains: over and under voltage and loss of phase monitor frequently-used data (such as water temperature, oil pressure, speed, fuel consumption and so on) of ECU machine, but a so control starting up, shutdown, raising speed and speed droop via CANBUS port RS485 communication interface enables "Three remote" functions Control of the set: (remote control, remote measuring and remote communication) according to MODBU S protocol. STARTS and STOPS the set AUTOMATICALLY when mains Parameter setting: parameters can be modified and stored in internal FLASH memory failure is detected and when it is restored, respectively. It can and cannot be lost even in case of power outage; most of them can be adjusted using ront panel of the controller and also can be modified using PC via USB or RS485 port. also operate MANUALLY and Auto Transfer Switch control

Standard fuel filter Standard oil filter	Option Heavy duty air filter Air intake shutoff valve chalwin type Intake air heater
Standard fuel filter Standard oil filter	Air intake shutoff valve chalwin type
Standard oil filter	
	Intake air heater
Low coolant level sensor	
	Oil temperature sensor
Exhaust gases compensator	Diesel-powered heater
24V Electrical system	Engine water heater
Ingine Radiator with bloweing fan	
Electronic governor	
Sender WT	
Sender OP	
Hot components and radiator guards	
Mobile components guards	
Self-excited and Self-regulated	Air inlet filter
IP23 protection degree	IP44/IP54/IP55
Iternator Insulation H class	Space heater/anti-condensation heater
nemator	Environment protection
	Temperature detectors
	Parallel operation
Battery isolator switch	Distribution board with sockets kit and power busbar
3 poles circuit breaker	4 poles circuit breaker
Electrical system Door opening alarm	Adjustable ELCB (Earth Fault)
Battery charger 220-240V	Grouding rod
	ATS
Water separator filter	Diverter valve kit for external fuel tank
Low fuel level alarm	Automatic fuel refilling kit
occessories Oil extraction pump	Trailer
Tool kit for maintenance	Residential silencer
Voltage/Speed potentiometer	Electric engine fuel heater

Generating Set transport data

Dimensions(Open Skid Type) With Standard Fuel Tank





- The complete gen-set is mounted on whole on a heavy-duty fabricated, steel base frame.
- Antivibration pads are fixed between the engine/ alternator feet and the base frame;
- Base frame design incorporates an integral fuel tank.

 The generating set can be lifted or carefully pushed / pulled by the base frame;
- Dial type fuel gauge and drain plug on the fuel tank;
- Forklift pockets within base frame (up to 500kVA);

Over All Size		
Length	mm	3900
Height	mm	1710
Width	mm	2250
Shipping Volume	m3	15.01
Dry Weight	Kg	6200
Fuel Tank Capacity	L	1200

Dimensions(Silent Type) With Standard Fuel Tank





All canopy parts are designed with modular principles.

Without welding assembly

All metal canopy parts are painted by electrostatic polyester powder paint.

Thermally insulated engine exhaust system.

Emergency stop push button outside of canopy.

Easy maintenance and operation.

Over All Size

Length	mm	6050	
Height	mm	2438	
Width	mm	2591	
Shipping Volume	m3	38.22	
Dry Weight	Kg	11200	



