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 **Tide Power**



# Power Products

Power Solution For Your Better Tomorrow

**5kVA to 3900kVA**

**50Hz**

**Tide Power Technology Co., Ltd**

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Descriptions and specifications are substantially correct at time of printing and subject to change.

# A Niche Partner for your Power Solution

A leading manufacturer in both diesel and gas generators which prides ourselves to be in constant upgrading the technical knowhow and with innovative design in providing our working partners with power solution ideas.

Started in 2006, Tide Power evolved to become a reputable manufacturer and exporter that serves the demand for high quality and reliable power products.

Locate conveniently in the southern coastal region of China Fuzhou which is the prime shipping route to all over the world.

With manufacturing facility situated in an area of over 6000 sq. meter and with capacity of producing over 2000 units per annum.

Certified with ISO9001 and other reputed certificates denotes our management style and the quality of our products in addition to being OEM of a number of world renown

suppliers like Deutz, MTU, Perkins, Cummins, Mitsubishi, Doosan, Leroy Somer and Stamford among others.

Our capability and capacity in providing full range of ratings enable us in satisfying different demand from residential application to power plant and other industries.

With a professional team of engineers, it promises the needed expertise in products and services required, not to mention our investment in R&D in keeping our pace with the global demand.

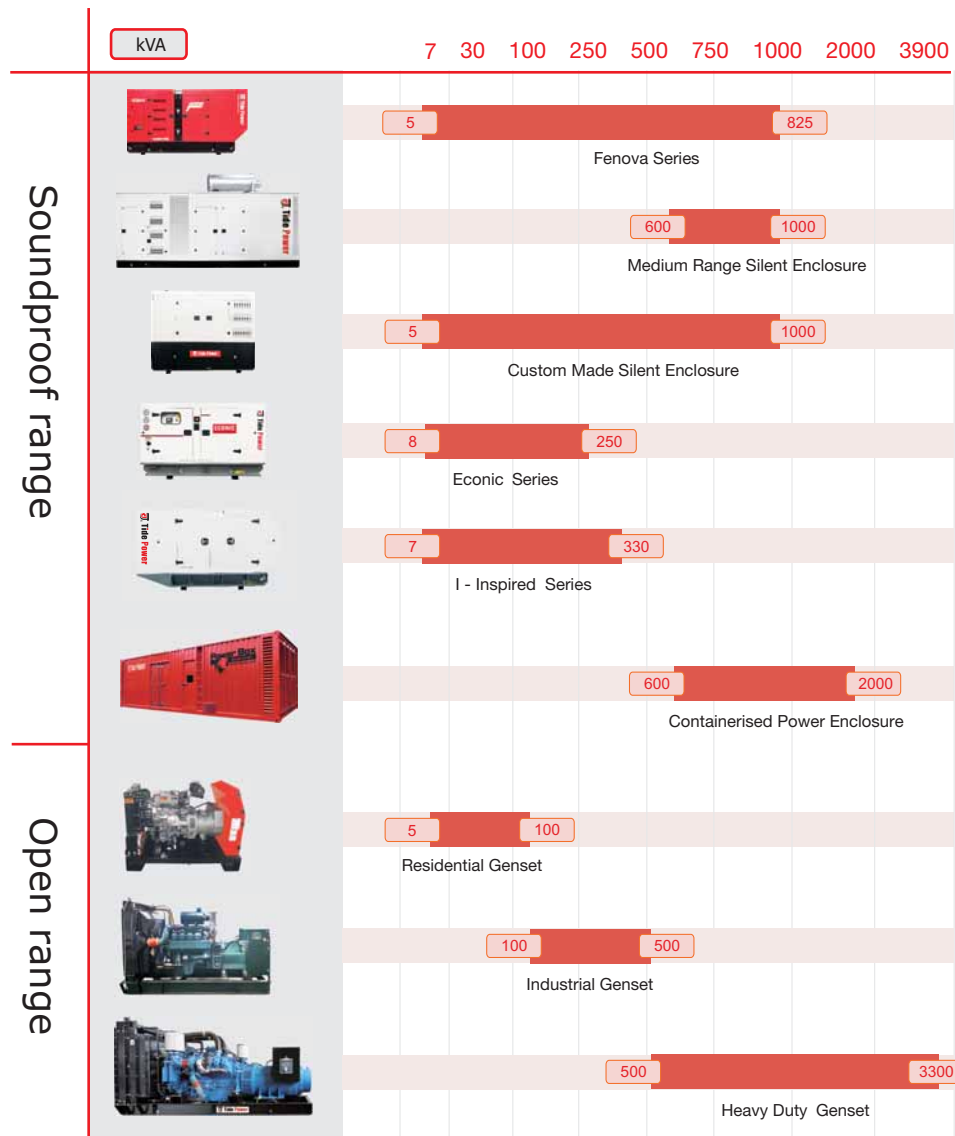
Capable of providing custom made power solution for different kind of projects or in different environment.

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# POWER RANGES

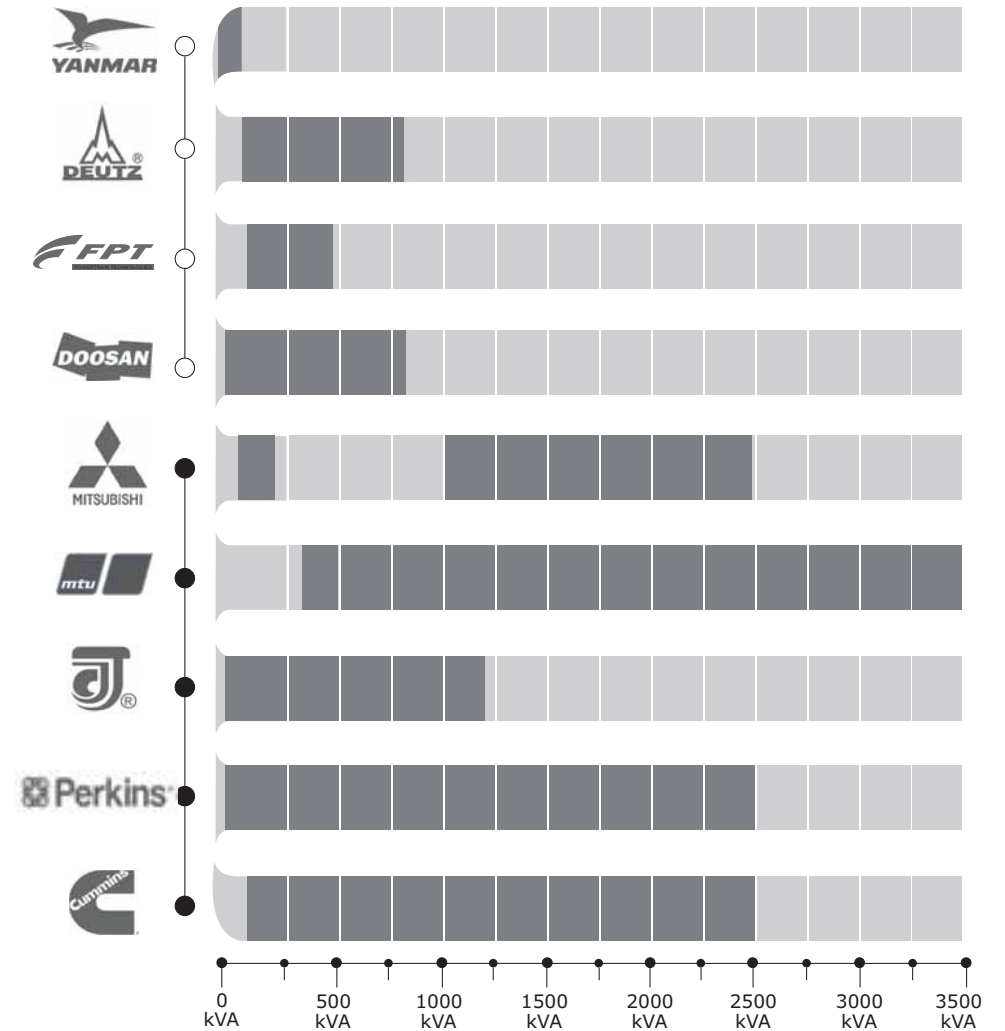
From 5kVA to 3900kVA



We have been highly successful in global markets by offering a wide and diversified range of generator set that are capable of satisfying and exceeding customer requirements. This success has been possible due to the inherent flexibility in the design of our product.

## Our service, your choice

Tide Power has been appointed as Original Equipment Manufacturer(OEM) by Cummins, Perkins, Deutz, Mitsubishi, Doosan, MTU, Yanmar, etc.



# OPEN TYPE GENERATOR SET

## Reliable and Safe

- Powered by world famous engines, such as Cummins, Perkins, Doosan, Deutz, Mitsubishi, MTU, and so on
- Load from 0-100%, frequency vibration within  $\pm 0.25\%$
- No load wire volts max undulation ratio within 0.5%
- The fully covered load centre houses all the outlets, compression terminals, and circuit breakers
- Fully intelligent control, automatic shutdown when fault occurs.

## Excellent Cooling System

- Exhaust silencing system totally enclosed for operator safety
- 50°C radiator as standard, oil cooler, drain tap.

## Automatic Air-Bleeding

- Every time the engine key is turned on air is automatically purged from the fuel system.

## Standard Features

- The control panel and wiring cabinet are installed inside of the same cabinet
- Compact structure and easy operation
- Easy transportation
- Stable performance and long service life
- Strong power, large output power, suitable for heavy duty
- Can be paralleled easily.

## Customised Solutions

- Designed to meet the specific needs of particular niche markets, such as armed forces, extreme weather, civil protection services, telecom, data center, marine sector and so on.

## Tide Power open generator sets cover a power range from 5kVA to 3900kVA

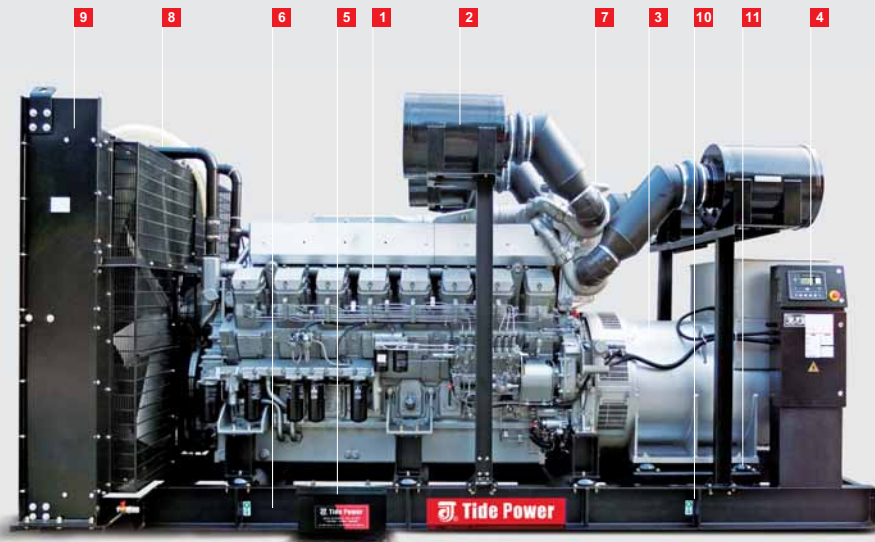
Delivering rugged, reliable mechanical and electrical performance, our diesel generator sets are also suited for power plants utility plants, distributed generation facilities, power sharing and power management at large commercial or industrial sites.

The power system is chosen for its ability to handle heavy duty load while maintaining reduced operating noise levels.



## Standard Scope

- 1 Engine
- 2 Air cleaner
- 3 Alternator
- 4 Controller
- 5 Starting battery
- 6 Base frame
- 7 Mounting flange of vent-pipe
- 8 Coolant inlet
- 9 Radiator
- 10 Lifting lug
- 11 Vibration isolator
- 12 Silent & bellow (Supplied in loose)



# OPEN TYPE GENERATING SET



The Open Generating set range offers a large choice of engines with powers ranging from **5 to 3900kVA** at 50 or 60Hz. The main features of our products are with baseframe designed to provide maximum compactness and contain overall generating set dimensions, which is often an essential requirement for installations in small spaces. The baseframe also acts as a fuel tank, ensuring high capacity fuel on-board. All the parts of the units are subject to a stringent operating test involving over 30 checks prior to delivery.

ENGINE	ALTERNATOR	CONTROL UNIT
Industrial engine, complete with cooling system, injection system automatic speed regulator, electrical ignition system and battery charger.	Industrial, brushless alternator with electronic voltage control system.	Control and governing panel box with ComAp as our standard in cabinet, 3 or 4 pole circuit breaker, differential choice of controller and breaker like DSE and ABB respectively also available for selection.

STANDARD SUPPLIES
<ul style="list-style-type: none"> <li>The baseframe acts as a fuel tank with level gauge, plugs, loading and unloading forklift port</li> <li>High damping anti-vibration mounts placed between the engine/alternator and base frame</li> <li>Fuel filter</li> <li>Exhaust silencer</li> <li>Flange and gasket on engine</li> <li>Maintenance free battery</li> <li>Mounted battery charger</li> <li>Fully fan guard</li> </ul>

OPTIONAL
<ul style="list-style-type: none"> <li>Set-up quick release fittings (auxiliary, external tank connection)</li> <li>Engine oil extraction pump</li> <li>External sockets</li> <li>Oversize fuel tank</li> <li>ATS panel</li> <li>220V electric socket or jacket water heater</li> <li>Air extraction conveyor</li> <li>Residential silencer</li> <li>Sound attenuated canopies or containerized enclosure</li> <li>Radiator liquid level sensor</li> <li>Tropical radiator</li> <li>PMG</li> </ul>

# SILENT TYPE GENERATOR SET



The soundproof Generating set range offers a very large application target with powers ranging from **5-650kVA** at 50 and 60Hz. The new and sturdy design whether it is canopies or containerized enclosure are with maximum noise reduction which make it suitable for all construction sites and home backup power supply, both mobile and stationary. At all time we have kept in our inventory a large range of accessories to answer any immediate need, for sales or after sales services. Our standard ComAp control panel with its stand alone cabinet is equipped with a large display screen, emergency button, ignition barrel and circuit breaker. Like every of our finished products, all the parts of the unit are subject to a stringent operating test involving over 30 checks prior to delivery.

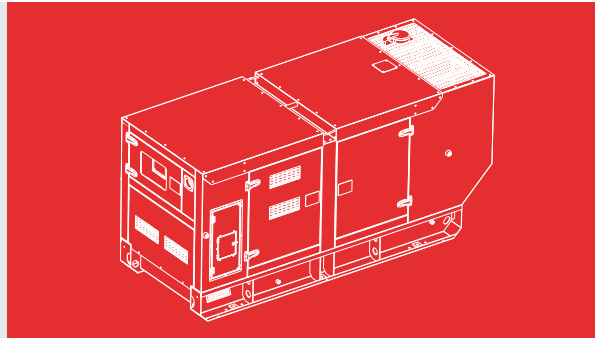
ENGINE	ALTERNATOR	CONTROL UNIT
Industrial engine, complete with cooling system, injection system with automatic speed regulator, electrical ignition system and battery charger.	Industrial, brushless alternator with electronic voltage control system.	Control and governing panel box with ComAp as our standard in cabinet, 2 or 4 pole circuit breaker, differential choice of controller and breaker like DSE and ABB respectively also available for selection.

STANDARD SUPPLIES
<ul style="list-style-type: none"> <li>Control panel with digital control device mounted inside cabinet with large viewing window</li> <li>Load bearing baseframe with liquid retention basin</li> <li>High damping anti-vibration mounts placed between the engine/alternator and base frame</li> <li>Fuel tank with level gauge, plugs. Loading and unloading port</li> <li>Engine oil extraction pump</li> <li>Fuel filter</li> <li>Sound-insulated canopy made with powder coating cold roll sheet</li> <li>Sound-proofing for attenuation with non flammable foam</li> <li>Residential silencer</li> <li>Rain cap</li> <li>Top lifting points</li> <li>Maintenance free battery with switch</li> <li>Humming Device</li> <li>Battery switch</li> <li>Fuel level sensor</li> <li>Flat insulation foam</li> </ul>

OPTIONAL
<ul style="list-style-type: none"> <li>ATS changeover switch Panel</li> <li>Radiator liquid level sensor</li> <li>220V electric socket or jacket water heater</li> <li>Canopy color can be requested if different from standard</li> <li>Slow moving trailer</li> <li>Heat guards</li> <li>PMG</li> <li>LED</li> <li>Aluminum lock and hinge</li> </ul>

# STANDARD SILENT GENERATOR SET (Fenova Design)

5kVA-650kVA



## External Features



**Canopy**  
Modern design and durable



**Base Fuel Tank**  
Large capacity with unique self cleaning design. Keep dirt in center of the base



**Lock**  
Lockable door for authorized operator only( Aluminum lock and hinge as option )



**Access**  
Large canopy doors for convenient maintenance and inspection purposes(Flat insulation foam)



**Air Intake**  
Ventilation compartment ensuring steady air intake with reduced noise levels



**Emergency Stop Button**  
Easy reachable on outside



**Frame**  
Unique design with access to ventilation area for easy maintenance



**Beams**  
For hook transportation and positioning



**Spray Paint**  
High quality powder coating for external use in any weather conditions

## Internal Features



**Safety**  
Guard installed to protect inside from direct heat generated by exhaust and manifold



**Oil Pump**  
Standard manual oil pump



**External Equipment Interface**  
Unique design skid base to simplify installation. Also environmental friendly



**Battery Charger**  
Enables the battery to be in constant recharging in which the generator set can be started at all time



**Speed Governor**  
Installed externally for easy future upgrades



**Maintenance Free Battery**  
Reliable maintenance free battery with switch as standard ( Battery switch as standard )



**Cable Outlet**  
Easy reachable with independent connection board



**LED**  
Anti-explosive lighting as option



**Control Panel**  
ComAp controller for reliability and ease of operation (Humming Device as standard, Deepsea and Woodward Controller as option)

# ECONIC 8kVA-250kVA



1. Price competitive
2. More compact in size
3. Simple configuration with horizontal exhaust outlet
4. With side controller cabinet
5. Forklifting legs available
6. Skid base with pulling holes
7. Convenient fuel refilling inlet

With innovation and market competitiveness in mind, Tide Power is always one step ahead of the market in providing our clients with more selection in their promotion of the business. Our newly introduced series, The Econic, having all the alike unique features of our Fenova series, promises an even more compact size without sacrificing the needed reliability and quality.



**NEW** SERIES



Special arrangement of the unit comes with vertical ventilation for both inlet and outlet of air and with a more precise configuration. The whole enclosure is completed with unabridged steel plate which top lifting beam is not required as the complete set is equipped with forklifting sockets as well as strong trolling opening for ease of transportation. The large door of the enclosure can make maintenance process a lot easier and in addition, the outer locked fuel refilling inlet can also enable a more smooth operation.

All in all, Tide Power has made considerable study on the unit, may the price be competitive, there are a lot of features which are value added and should be of interest to most of the end users. Bear also in mind that the units are not only constructed solely for the purpose of having a relatively attractive price but it is cater for markets that needs a version that are appealing.











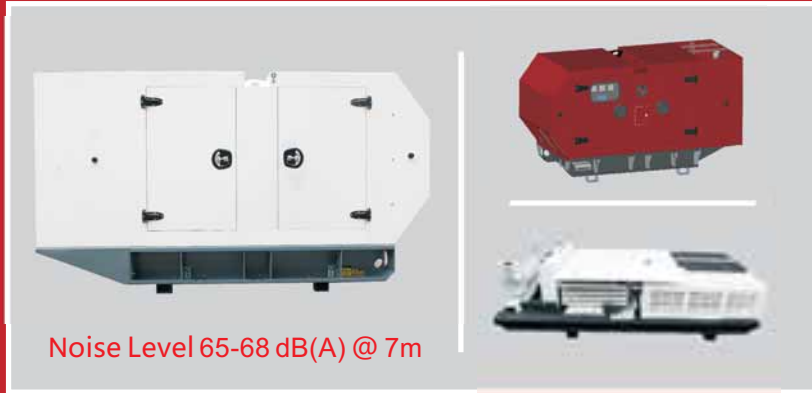




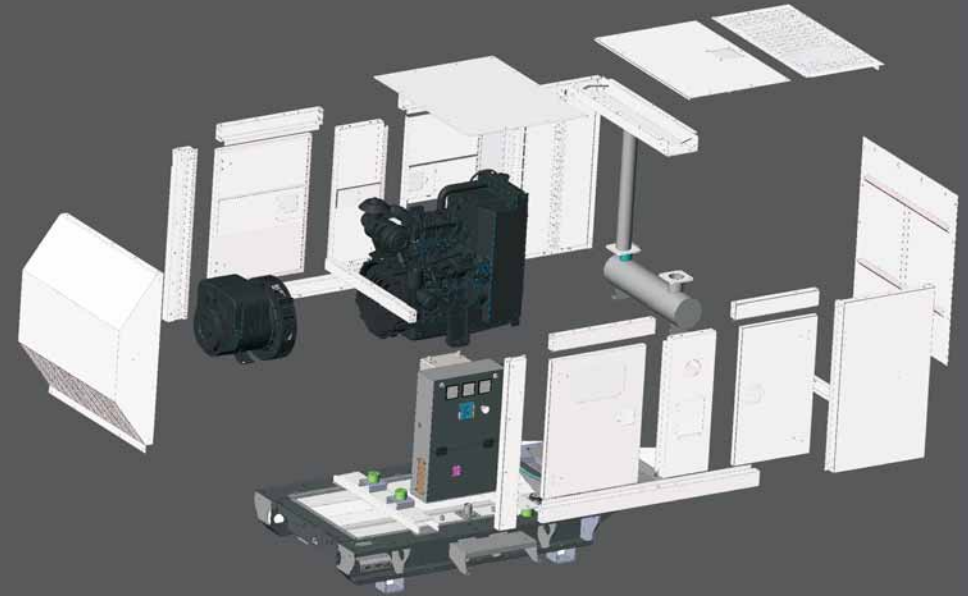


# I - Inspired

## Assembly



Noise Level 65-68 dB(A) @ 7m



## The Concept

The enclosure which is designed for easy construction and assemble for ranges of engines and alternators, is your prime choice for the quality, values as well as efficiency, The I-Inspired concept lies in our foresight of building a convenient source for assemblers in satisfying their demand and that with our design, packing and distribution surely can be money and time saving.



## The Ideas

Your own choice and selection of engines and alternators with optional accessories. This application will by all means waiving your effort and energy with all those tremendous work that needs to be handled. Easy and mind resting with the click of your need which requires only simple tools for the assemble.

Enclosure Model	Power Recommended (kVA)	W*L*H (mm)
IN10	≤20	2000X930X1100
IN20	≤60	2600X1050X1400
IN30	≤100	2800X1100X1700
IN40	≤150	3000X1100X1800
IN50	≤180	3400X1100X1800
IN60	≤200	3850X1100X2000
IN70	≤250	3900X1300X2000

# I- Inspired

## SELECTION MENU

### ENGINE

#### Perkins

- 403D-11G \_\_\_\_\_ Sets
- 403A-11G1 \_\_\_\_\_ Sets
- 403D-15G \_\_\_\_\_ Sets
- 403A-15G1 \_\_\_\_\_ Sets
- 403A-15G2 \_\_\_\_\_ Sets
- 404D-22G \_\_\_\_\_ Sets
- 404A-22G1 \_\_\_\_\_ Sets
- 404D-22TG \_\_\_\_\_ Sets
- 1103A-33G \_\_\_\_\_ Sets
- 1103A-33TG1 \_\_\_\_\_ Sets
- 1103A-33TG2 \_\_\_\_\_ Sets
- 1104A-44TG1 \_\_\_\_\_ Sets
- 1104A-44TG2 \_\_\_\_\_ Sets
- 1104C-44TAG1 \_\_\_\_\_ Sets
- 1104C-44TAG2 \_\_\_\_\_ Sets
- 1106A-70TG1 \_\_\_\_\_ Sets
- 1106A-70TAG2 \_\_\_\_\_ Sets
- 1106A-70TAG3 \_\_\_\_\_ Sets
- 1106A-70TAG4 \_\_\_\_\_ Sets
- 1506A-E88TAG1 \_\_\_\_\_ Sets
- 1506A-E88TAG2 \_\_\_\_\_ Sets
- 1506A-E88TAG3 \_\_\_\_\_ Sets

#### FPT

- S8000AM1 \_\_\_\_\_ Sets
- NEF45AM2 \_\_\_\_\_ Sets
- NEF45SM3 \_\_\_\_\_ Sets
- NEF45TM2A \_\_\_\_\_ Sets
- NEF45TM3 \_\_\_\_\_ Sets
- NEF67TM4 \_\_\_\_\_ Sets
- NEF67TE2A \_\_\_\_\_ Sets
- CURSOR87TE3 \_\_\_\_\_ Sets

#### C

- 4B3.9-G2 \_\_\_\_\_ Sets
- 4BT3.9-G2 \_\_\_\_\_ Sets
- 4BTA3.9-G2 \_\_\_\_\_ Sets
- 4BTA3.9-G11 \_\_\_\_\_ Sets
- 6BT5.9-G2 \_\_\_\_\_ Sets
- 6BTA5.9-G2 \_\_\_\_\_ Sets
- 6BTAA5.9-G2 \_\_\_\_\_ Sets
- 6BTAA5.9-G12 \_\_\_\_\_ Sets
- 6CTAA8.3-G2 \_\_\_\_\_ Sets
- 6LTAA8.9-G2 \_\_\_\_\_ Sets
- 6LTAA8.9-G3 \_\_\_\_\_ Sets
- QSB3.9-G2 \_\_\_\_\_ Sets
- QSB3.9-G3 \_\_\_\_\_ Sets
- QSB5.9-G2 \_\_\_\_\_ Sets
- QSB5.9-G3 \_\_\_\_\_ Sets
- QSB6.7-G3 \_\_\_\_\_ Sets
- QSB6.7-G4 \_\_\_\_\_ Sets
- QSL8.9-G2 \_\_\_\_\_ Sets
- QSL8.9-G3 \_\_\_\_\_ Sets
- QSL8.9-G4 \_\_\_\_\_ Sets

### ACCESSORIES

- Residential Silencer & Elbow & Seal
- Standing Control Panel with \_\_\_\_\_ Module
- Set Enclosure Plates
- Baseframe with Standard Fuel Tank.
- Cable Wiring between Panel and Engine / Alternator
- Hoops and Screws
- Rubber Anti-vibration
- Rubber Mat Between Canopy & Baseframe
- Fuel Pipe And Tank Cap With Keys
- Fuel Gauge
- Emergency Button
- Top Lifting Hook

### ALTERNATOR

#### STAMFORD

- PI 044D \_\_\_\_\_ Sets
- PI 044E \_\_\_\_\_ Sets
- PI 044F \_\_\_\_\_ Sets
- PI 044G \_\_\_\_\_ Sets
- PI 044H \_\_\_\_\_ Sets
- PI 144D \_\_\_\_\_ Sets
- PI 144E \_\_\_\_\_ Sets
- PI 144F \_\_\_\_\_ Sets
- PI 144G \_\_\_\_\_ Sets
- PI 144H \_\_\_\_\_ Sets
- PI 144J \_\_\_\_\_ Sets
- PI 144K \_\_\_\_\_ Sets
- UCI 224C \_\_\_\_\_ Sets
- UCI 224D \_\_\_\_\_ Sets
- UCI 224E \_\_\_\_\_ Sets
- UCI 224F \_\_\_\_\_ Sets
- UCI 224G \_\_\_\_\_ Sets
- UCI 274C \_\_\_\_\_ Sets
- UCI 274D \_\_\_\_\_ Sets
- UCI 274E \_\_\_\_\_ Sets
- UCI 274F \_\_\_\_\_ Sets
- UCI 274G \_\_\_\_\_ Sets
- UCI 274H \_\_\_\_\_ Sets
- UCIDI 274J \_\_\_\_\_ Sets
- UCIDI 274K \_\_\_\_\_ Sets
- HCI 444C \_\_\_\_\_ Sets

#### STAMFORD

##### (S Series)

- S0L1-D1 \_\_\_\_\_ Sets
- S0L1-H1 \_\_\_\_\_ Sets
- S0L1-L1 \_\_\_\_\_ Sets
- S0L1-P1 \_\_\_\_\_ Sets
- S0L2-F1 \_\_\_\_\_ Sets
- S0L2-G1 \_\_\_\_\_ Sets
- S0L2-M1 \_\_\_\_\_ Sets
- S0L2-P1 \_\_\_\_\_ Sets
- S1L2-J1 \_\_\_\_\_ Sets
- S1L2-K1 \_\_\_\_\_ Sets
- S1L2-N1 \_\_\_\_\_ Sets
- S1L2-R1 \_\_\_\_\_ Sets
- S1L2-Y1 \_\_\_\_\_ Sets
- S4L1D-C41 \_\_\_\_\_ Sets
- S4L1D-D41 \_\_\_\_\_ Sets

#### LERROY SOMER (TAL)

- TAL-A40-C \_\_\_\_\_ Sets
- TAL-A40-D \_\_\_\_\_ Sets
- TAL-A40-E \_\_\_\_\_ Sets
- TAL-A40-F \_\_\_\_\_ Sets
- TAL-A40-G \_\_\_\_\_ Sets
- TAL-A42-C \_\_\_\_\_ Sets
- TAL-A42-E \_\_\_\_\_ Sets
- TAL-A42-F \_\_\_\_\_ Sets
- TAL-A42-G \_\_\_\_\_ Sets
- TAL-A42-H \_\_\_\_\_ Sets
- TAL-A44-C \_\_\_\_\_ Sets
- TAL-A44-D \_\_\_\_\_ Sets
- TAL-A44-E \_\_\_\_\_ Sets
- TAL-A44-H \_\_\_\_\_ Sets
- TAL-A44-J \_\_\_\_\_ Sets
- TAL-A44-K \_\_\_\_\_ Sets
- TAL-A46-A \_\_\_\_\_ Sets
- TAL-A46-B \_\_\_\_\_ Sets
- TAL-A46-C \_\_\_\_\_ Sets
- TAL-A46-D \_\_\_\_\_ Sets

#### LERROY SOMER (LSA)

- LSA 40 VS1 \_\_\_\_\_ Sets
- LSA 40 VS2 \_\_\_\_\_ Sets
- LSA 40 S3 \_\_\_\_\_ Sets
- LSA 40 S4 \_\_\_\_\_ Sets
- LSA 40 M5 \_\_\_\_\_ Sets
- LSA 40 M7 \_\_\_\_\_ Sets
- LSA 42.3 VS1 \_\_\_\_\_ Sets
- LSA 42.3 VS2 \_\_\_\_\_ Sets
- LSA 42.3 VS3 \_\_\_\_\_ Sets
- LSA 42.3 S4 \_\_\_\_\_ Sets
- LSA 42.3 S5 \_\_\_\_\_ Sets
- LSA 42.3 M7 \_\_\_\_\_ Sets
- LSA 42.3 M8 \_\_\_\_\_ Sets
- LSA 42.3 L9 \_\_\_\_\_ Sets
- LSA 44.3 S2 \_\_\_\_\_ Sets
- LSA 44.3 S3 \_\_\_\_\_ Sets
- LSA 44.3 S4 \_\_\_\_\_ Sets
- LSA 44.3 S5 \_\_\_\_\_ Sets
- LSA 44.3 M6 \_\_\_\_\_ Sets
- LSA 44.3 M8 \_\_\_\_\_ Sets
- LSA 44.3 L10 \_\_\_\_\_ Sets
- LSA 46.3 S2 \_\_\_\_\_ Sets
- LSA 46.3 S3 \_\_\_\_\_ Sets
- LSA 46.3 S4 \_\_\_\_\_ Sets
- LSA 46.3 S5 \_\_\_\_\_ Sets
- LSA 46.3 M7 \_\_\_\_\_ Sets

#### Tide Power

- FPA16-651 \_\_\_\_\_ Sets
- FPA16-882 \_\_\_\_\_ Sets
- FPA16-1083 \_\_\_\_\_ Sets
- FPA16-1284 \_\_\_\_\_ Sets
- FPA16-145 \_\_\_\_\_ Sets
- FPA18-166 \_\_\_\_\_ Sets
- FPA18-187 \_\_\_\_\_ Sets
- FPA18-208 \_\_\_\_\_ Sets
- FPA18-229 \_\_\_\_\_ Sets
- FPA18-2510 \_\_\_\_\_ Sets
- FPA18-2811 \_\_\_\_\_ Sets
- FPA18-3012 \_\_\_\_\_ Sets
- FPA18-3213 \_\_\_\_\_ Sets
- FPA22-321 \_\_\_\_\_ Sets
- FPA22-342 \_\_\_\_\_ Sets
- FPA22-403 \_\_\_\_\_ Sets
- FPA22-454 \_\_\_\_\_ Sets
- FPA22-505 \_\_\_\_\_ Sets
- FPA22-546 \_\_\_\_\_ Sets
- FPA22-587 \_\_\_\_\_ Sets
- FPA22-648 \_\_\_\_\_ Sets
- FPA22-689 \_\_\_\_\_ Sets
- FPA22-7510 \_\_\_\_\_ Sets
- FPA27-801 \_\_\_\_\_ Sets
- FPA27-902 \_\_\_\_\_ Sets
- FPA27-1003 \_\_\_\_\_ Sets
- FPA27-1124 \_\_\_\_\_ Sets
- FPA27-1205 \_\_\_\_\_ Sets
- FPA27-1286 \_\_\_\_\_ Sets
- FPA27-1407 \_\_\_\_\_ Sets
- FPA27-1508 \_\_\_\_\_ Sets
- FPA27-1609 \_\_\_\_\_ Sets
- FPA27-18010 \_\_\_\_\_ Sets
- FPA27-20011 \_\_\_\_\_ Sets
- FPA31-2001 \_\_\_\_\_ Sets
- FPA31-2202 \_\_\_\_\_ Sets

#### meccalte

- ECP28 1VS4 A \_\_\_\_\_ Sets
- ECP28 2VS4 A \_\_\_\_\_ Sets
- ECP28 0S4 A \_\_\_\_\_ Sets
- ECP28 S4 A \_\_\_\_\_ Sets
- ECP28 M4 A \_\_\_\_\_ Sets
- ECP28 2L4 A \_\_\_\_\_ Sets
- ECP28 VL4 A \_\_\_\_\_ Sets
- ECP32 2S4 B \_\_\_\_\_ Sets
- ECP32 3S4 B \_\_\_\_\_ Sets
- ECP32 1M4 B \_\_\_\_\_ Sets
- ECP32 2M4 B \_\_\_\_\_ Sets
- ECP32 3L4 B \_\_\_\_\_ Sets
- ECP32 4L4 B \_\_\_\_\_ Sets
- ECP34 1S4 A \_\_\_\_\_ Sets
- ECP34 2L4 A \_\_\_\_\_ Sets
- ECP34 2S4 A \_\_\_\_\_ Sets
- ECP34 3L4 A \_\_\_\_\_ Sets
- ECO38 1S4 A \_\_\_\_\_ Sets
- ECO38 2S4 A \_\_\_\_\_ Sets
- ECO38 3S4 A \_\_\_\_\_ Sets
- ECO38 1L4 A \_\_\_\_\_ Sets
- ECO38 2L4 A \_\_\_\_\_ Sets



# TIDE CONTROL SYSTEM SELECTION GUIDE

## Single & Synchronised Generating Sets

Standard	EC 2.0	EC 3.0	EC 4.0	EC 5.0	EC 6.0
	Nano	AMF20	AMF25	IG-NT MINT	IG-NT SPTM
	ComAP	ComAP	ComAP	ComAP	ComAP
4 Cylinders or Smaller Generator	●	○	○	○	○
6 Cylinders or Bigger and non-electronic injection engine	○	●	○	○	○
6 Cylinders or Bigger and electronic injection engine	○	○	●	○	○
Remote Control RS232/485	—	—	●	●	●
Gen-Gen Synchronising	—	—	—	●	—
Gen-Mains Synchronising	—	—	—	—	●

● : Standard Supply  
○ : Available as optional  
— : Not available



EC 2.0



EC 3.0



EC 4.0



EC 5.0/EC6.0

Tide Power Easycon	EC2 0	EC3 0	EC4 0	EC5 0	EC6 0	
Model	Nano	AMF20	AMF25	IG-NT MINT	IG-NT SPTM	
Controller Brand	ComAP	ComAP	ComAP	ComAP	ComAP	
Alternator Parameters	Phase Voltage	—	3	3	3	3
	Wire Voltage	1	3	3	3	3
	Current	Instrumentation	●	●	●	●
	Ferquency	●	●	●	●	●
	Active Power(KW)	—	●	●	●	●
	Inactive Power(KVar)	—	●	●	●	●
	Apparent Power(KVA)	1	●	●	●	●
Alternator Protection	Power Factor	—	●	●	●	●
	KWH	—	●	●	●	●
	Voltage under/over	●	●	●	●	●
	Overcurrent pre-alarm	—	●	●	●	●
	Overcurrent shutdown	●	●	●	●	●
	Short Circuit Protect	MCCB/●	MCCB/●	MCCB/●	MCCB/●	MCCB/●
	Frequency under/over	●	●	●	●	●
Engine Parameters	Alternator charger	●	●	●	●	●
	Oil Pressure	●	●	●	●	●
	Coolant Temp	●	●	●	●	●
	Fuel Meter/Fuel Sensor	●/○	●/○	●/○	●/○	●/○
	RPM	●	●	●	●	●
	Battery Voltage	●	●	●	●	●
	Hours Run	●	●	●	●	●
Engine Protection	Low Oil Pressure Pre-Alarm	—	●	●	●	●
	Low Oil Pressure Shutdown	●	●	●	●	●
	High Water Temp. Pre-Alarm	—	●	●	●	●
	High Water Temp. Shutdown	●	●	●	●	●
	Over Speed Pre-Alarm	—	●	●	●	●
	Over Speed Shutdown	—	●	●	●	●
	Alternator Charger	●	●	●	●	●
Functions	Remote Start	●	●	●	●	●
	AMF(Auto Main Failure)	●	●	●	—	●
	Programable Input	●	●	●	●	●
	Programable Output	●	●	●	●	●
	Expand Module	—	○	○	○	○
	Communication Function	—	○	○	●/RS232/485	●/RS232/485
	Communication Port	USB	○	○	RS232/485	RS232/485
CAN	●	—	●	●	●	
Service Indicate	—	—	●	●	●	
Fault History	●	●	●	●	●	
Gen-Gen Synchronising	—	—	—	●	—	
Gen-Mains Synchronising	—	—	—	—	●	

● : Standard Supply  
○ : Available as optional  
— : Not available

# RENTAL POWER SOLUTION

The rental series of Tide Power provides solutions adapted to the needs of the rental sector.

Our rental series covers ratings from 56 – 281 kVA which emphasis in safety, reliability, quality and usability which at the same time can reduce the number of maintenance hours and extending the service life of each generator set.



## STANDARD FEATURES

### Soundproof canopy

- IP44 soundproof enclosure made of cold rolled plate, phosphated and passivated with polyester powder paint coating to ensure a resistance of 720 hours in salt spray test per B177-09 standard.
- Its robust design, corrosion protection and enhanced shock resistance extend the life span of the unit.

### Manual oil pump

- Allows for quicker, easier oil extraction, reducing task time by 90%.

### Water-Fuel separator

- High-performance. Reliability, guaranteeing 100% separation of water and fuel. Filtration of particles over 30 microns.

### Central lifting eyebolt and forklift port at the base frame

- Facilitates lifting the genset for transport.

### Exhaust silencer

- Highly corrosion-resistant steel. Includes water drainage system.
- Silencer attenuation of - 26 dB(A).

### Protective cover

- Prevents foreign objects from entering the silencer.



The panel of the voltage switch provides protection function, the engine will stop upon opening of the panel



Drainage safety valve at the bottom of the fuel tank



Multiple voltage selection on the panel



With GPS positional feature and APP for mobile phone control



Easy adjusted top hook for easy transportation



With multiple Euro standard sockets



Double doors with double layer of rubber strip and heavy duty door lock



Perforated plate and rock wool within canopy



With independent and separated fuel tank which can be disassembled



With sand proof protection and sand drainage outlet

### Earthing

- Included.

### Highly robust, easy-to-access terminals

- Enable quick connection of power cables.
- Prepared for quick change of grounding system.

### Cleaning hatch

- Facilitates access to fuel tank for cleaning, preventing fuel contamination.
- Includes an air inlet.

### Battery isolator switch

- Provides added safety during maintenance tasks by preventing the unit from starting up. Prevents battery discharge while the unit is idle.

### Socket panel and 4-pole circuit breaker and IP44 sockets

- 4-pole electromagnetic circuit breaker with differential protection.
- Top-quality IP44 sockets individually protected by mini circuit breakers.
- Sockets are installed with door protection with cable outlet from below.

### Electrical control panel

- Includes ComAp control module.
- Displays a full range of status readings on the digital screen, including: voltage, frequency, power rating, pressure and engine temperature and communication ports RS-485 or RS-232.
- Electrical control panel protected by mini circuit breakers
- Multiple voltage selection on the panel: 380/220V 50Hz, 220/127V 50Hz, 380/220V 60Hz, 220/127V 60Hz.

## RC series unit configuration

Genset Model	50Hz		60Hz		Engine			Alternator Model		Control Panel		GPS	Base Fuel Tank		Number of sockets
	Prime Power		Prime Power		Engine Model	Cylinders & Aspiration	Fuel Consumption g/kw.h	Standard	Optional	Standard	Optional		Standard	Optional	
	kW	kVA	kW	kVA											
RC68S-C	45	56	54	68	4BTA3.9-G2	4L/TCA	221	LSA42.3L9	UCI224E	MRS16	DSE7310	CMM366-3G	24h	Customize	6
RC112S-P	80	100	90	112	1104C-44TAG2	4L/TCA	218	LSA44.3S5	UCI274C	MRS16	DSE7310	CMM366-3G	24h	Customize	8
RC169S-P	120	150	135	169	1106A-70TAG2	6L/TCA	205	LSA44.3L10	UCI274F	MRS16	DSE7310	CMM366-3G	24h	Customize	8
RC220S-D	160	200	176	220	BF6M1013FCG3	6L/TCA	221	LSA46.3S4	UCI274H	MRS16	DSE7310	CMM366-3G	12h	Customize	8
RC281S-P	200	250	225	281	1506A-E88TAG3	6L/TCA	199	LSA 46.3 M7	UCDI 274K	MRS16	DSE7310	CMM366-3G	12h	Customize	8

# SUPER SILENT GENERATOR SET

We focus on generator set field over 11 years

**59**<sup>79</sup>L<sub>WA</sub>  
dB(A)

Average@1m 67dB(A)  
Average@7m 59dB(A)



Double door with two layers of door seal strip and high resistance door lock



Door with double glass layers viewing window



Designed with perforated plate plus rock wool within canopy



Heavy duty engineered door lock



Attenuated louvre on front, end and side of the canopy, and can be extended on both side for further attenuation



Easy operated manual pump for oil drainage



Design for sand protection and with sand flushing port



With high grade outdoor spray coating



Easy operated top hook design for easy transportation



## SC SERIES UNIT CONFIGURATION

Genset Model	50Hz		Noise level @7m dBA	60Hz		Noise level @7m dBA	Engine			Control Panel	
	Prime Power kW	kVA		Prime Power kW	kVA		Engine Model	Cylinders & Aspiration	Fuel Consumption g/kw.h		
SC20-P	16	20	59	SC24X-P	19	24	62	404D-22G	4L/NA	233	ComAp Nano
SC60-P	48	60	61	SC68X-P	55	68	63	1103A-33TG2	3L/TC	218	ComAp AMF20
SC100-P	80	100	62	SC112X-P	90	112	63	1104C-44TAG2	4L/TCA	218	ComAp AMF20
SC150-P	120	150	63	SC169X-P	135	169	66	1106A-70TAG2	6L/TCA	205	ComAp AMF20
SC200-P	160	200	64	SC245X-P	196	245	67	1106A-70TAG4 1506A-E88TAG1	6L/TCA	199	ComAp AMF25

## STANDARD SPECIFICATION FOR SUPER SILENT GENERATOR SET

### ENGINE: PERKINS

- Four stroke, water cooled.
- 12V or 24V DC starter and charge alternator.
- Cooling radiator and fan.
- Free-maintenance type battery including Rack and Cable.
- Flexible fuel connection hoses and manual oil sump drain valve.
- Critical exhaust silencer.

### CANOPY

- All canopy parts designed with modular principles.
- Water proof design ensures that the generator set can work in outdoor for long period of time.
- Special construction design ensures that the noise level be controlled in small scope.
- Easy lifting and transporting.
- Easy maintenance and operation.
- Sand proof design.
- Attenuated louvre on front, end and side of the canopy, and can be extended on both side for further attenuation.

### ALTERNATOR

- Brushless, single bearing, flexile disc.
- Insulation class H and Protection class IP23.
- Self-exciting and self-regulated.

### ACCESSORY

- All of the lock and screw by stainless steel type for anti rust proof.
- With Hand Pump to eliminate dirty oil.
- Optional preheater as choice.
- Special socket can be provided.

### ELECTRIC EQUIPMENTS

- Top choice of Cable and other electric equipment.

### BASE FRAME

- Base frame with forklifting port and crane port, easy to move and transport.
- Base frame design can be with double bundled fuel tank as an option, which can safeguard from dirty oil or fuel and protect the environment.
- Daily fuel tank from 8 hours to 24 hours .
- Fuel tank can be separated from base frame which enables easy maintenance.
- Anti-vibration pads are flexed between engine and alternator.

### PAINTING PROCESS

- All base frames are treated by shot blasting before processing powder coating. This procedure is also observed with the canopies as standard and this stringent process assures the perfect performance and ensures the generator set can be free from rusting.
- All of these generator sets is capable of withstanding high temperature or oceanic atmosphere.

### SILENCER CONSTRUCTION

- Silencer and exhaust muffler noise reduction material are self designed that assures the noise can be at all times in perfect level.

### CONTROL SYSTEM

- Controller, supervision and protection panel is mounted on the genset baseframe.

# CUSTOM MADE SILENT BOX

Power Range: (5kVA-1000kVA)

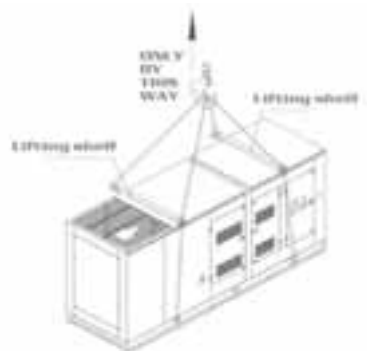


## Features of Custom Made Silent Box

- Tide Power focuses on cutting-edge solutions for various canopy or weather proof box using compact gensets and leading brand components to guarantee continuous service with low maintenance
- Strong and easy transport
- Extremely rugged and highly corrosion resistant construction
- Security and safety
- Easy commissioning and maintenance
- Optimise the sound level according to the needs

## Extremely Rugged & Highly Corrosion Resistant Construction

- Tide Power specialises in designing and producing a user-friendly and reliable enclosure to fit a power generator set inside.



# ISO 20ft 40ft CONTAINER GENSET

Power Range: (>600kVA)



Tide Power standard 20ft & 40ft containerized canopies are designed and assembled for those generator sets above 800Kva. The customized containerised canopy also available for an extensive power range below 800kva as an optional for customer who requires non standard type.

## Why Customer Need Containerized Generator Sets?

- Rental market: big capacity generator sets are always better mounted with containerized canopies to meet customer's loading
- Reduce noise level, instead of "Plant Room Installations"
- Protection from inclement weather and tough installation conditions
- Movability, save the cost of transportation.

## Excellent Access for Maintenance

- Separate & standing control cabinet at side
- Roomy interior with access doors
- Fully bounded steel floor
- Anti-explosive light bulb

## Transportability

- ISO shipping dimensioned container
- Lifting capability

## Noise Level

- <85-88dBA at 1 m
- Bespoke container with ≤75dBA at 1 m

## Robust Container Design

- 20ft 40ft (HC also available ) ISO footprint
- Container made from steel components with durable paint system
- Full bounded steel floor and steel louvers
- Rugged surface - excellent corrosion & rust protection
- Long service life

## Security and Safety

- Control panel viewing window in a lockable access door
- Emergency stop button mounted on canopy exterior
- Fuel fill and battery can only be reached via lockable access doors
- Fire extinguisher
- Exhaust silencing system enclosed for safety (residential silencer included)
- Excellent cooling system to avoid high water temp, reliable operation under harshest conditions (Ambient temperatures up to 40-52°C and altitudes up to 1000M)

## Optional

- Floor standing MCCB/ACB (>1250Amp)
- Interior Separate fuel tank (100 Litres - 2000 Liters)
- Exterior separate fuel tank (No limitation, shipped by separate container)
- Sockets
- Automatic fuel fill-in & cut off system
- Marine class painting
- Automatic oil top up system with 50L lubricating oil tank

# REEFER GENERATOR SET

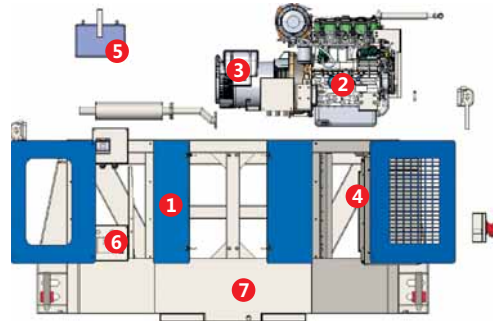
Reefgen designed by Tide Power Technology is built on the purpose of providing continuous, unattended operation for all refrigerated containers being transported by road or rail. ReefGen generators are catered for an ideal combination of horsepower and motor starting capability.

With the two frequencies 50/60 Hz, it offers operation that complies with ISO1496 specification for all container refrigeration units. Direct injection engine on the other hand is capable of cutting down exhaust emission which delivers green and clean energy which is foremost importance to the present environmental concerned market.

The diesel engine running at 1800rpm which is employed for this power unit is capable of providing 15kW nominal power with direct injection and 460V output and that the 4 cylinder engine is brushless, water cooled, and self regulated. The electronic governor system offers near constant engine speed which leads to more stable output.

## Standard features for mounting type generator set

- 1 Heavy duty frame and door plate
- 2 Water cooled diesel engine
- 3 Alternator
- 4 Radiator
- 5 Maintenance free battery
- 6 Controlling system
- 7 High capacity base fuel tank



Power Socket



Maintenance free battery



Mounting device



Intelligent controlling system

## Standard features include:

- 15Kw, 4 cylinder, water cooled, direct injection diesel engine
- Self regulated electronic governor
- 300L fuel tank
- Pin mount system
- High efficiency air cleaner
- Integral fuel filter with water separator
- Service access door
- Enclosed forklift ports
- 12V DC maintenance free battery
- Safety stop controls for high water temperature and low oil pressure
- Powder coated enclosure
- Fuel gauge

- Oil pressure gauge
- water temperature gauge
- Circuit breaker
- engine hour meter
- battery charger
- Instruction labels
- Maintenance and schematic labels
- 460V receptacle with cap



# LIGHTING TOWER



## Lighting( LED or metal halide)

Specialized anti vibrating lighting with high rate of illumination and life span more than 1000 hours



## Mast(manual/Vertical)

Strong and solid mast using designed material with height stretch of 7.5-9 meters and high resistance to strong wind speed



## High quality socket

External emergency stop button with high quality leakage protection socket



## Coupler

Australian standard trailer coupler, can be changed to suit all standard requirement

## Housing

Pressurized aluminum floodlight housing with 4mm tempered glass, can withstand over 200℃ under seal.



## Rotating mast

Rotating mast designed for easy adjusting of light direction



## Control panel

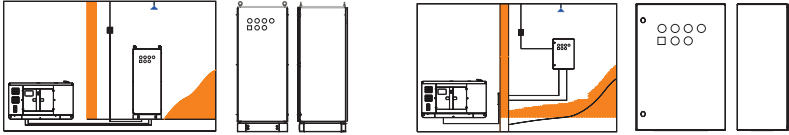
Special designed control panel cater for lighting tower



## Extra large fuel tank

125L extra large fuel tank that supports over 72 hours operation





## Synchronisation System

Synchronization unit specialize for Tide Power diesel genset parallel running. Synchronization unit combines with ATS capable to start up gensets automatically and adjust the number of running gensets depending on the loading, when main power recovers, genset will shut off automatically. This system also allows genset parallel with main power grid and is capable to control and supply sustainable powers, further more this system can be custom made to work for different demand.

## Automatic Transfer Switch (ATS)

Tide Power offers not only a changeover switch but also an integrated mains detection and switch system for your 24 hour power protection. The system enables automatic start-up and operation of the generating set in the event of mains power failure, overvoltage or loss of phase; and also mains automatic will re-transfer once it comes back. The system has a wide application such as hospital, bank, telecom, airport, broadcasting station and hotels.

## ATS Selector

Amp	32A	63A	80A	100A	125A	160A	200A	250A	400A	630A	800A	1000A	1250A	1600A	2000A	2500A	3200A	
Breaker Type	TIDE	x	A	A	A	x	B	x	B	C	C	D	D	D	D	E	E	E
	ABB	B	B	B	B	B	B	B	B	C	C	D	D	D	D	E	E	x
	Socomec	x	B	B	B	B	B	x	B	C	C	D	D	D	D	E	E	E

A: 500\*400\*250mm D: 800\*800\*1400mm  
 B: 650\*500\*300mm E: 1000\*800\*1600mm  
 C: 600\*600\*1000mm x: None



Synchronisation System

ATS

## LOAD BANK



The electric load bank is a simulation load test equipment used for genset, UPS, battery banks or electric power system, etc.

### Application

- Genset system R&D and routine test (inspection)
- Standby genset routine maintenance test
- Optimize the load profile, to extend the diesel engine life time
- Load capacity test for AC power supply
- Acceptance test for electric power supply project,
- or used to judge the electric power supply equipment for scrap
- Used for UPS product R&D, routine test (inspection) and maintenance
- Load profile optimization test for electric power supply system

### Characteristics

- Horizontal cooling airflow, Low noise, less temperature rise.
- Industry class cooling fan, single or 3 phase power supply can be chosen
- Resistant load element made by alloy, manufactory process with high standard quality control, good in heat dispersion, reliable
- Customer can ask for difference IP grade to suit application need
- Material of cabinet and coating quality
- Cold-roll steel sheets, flame plating, moisture proof, heat-resisting, less corrosivity
- Compliance with GB and military test standard, be able to handle 25%, 50%, 75%, 100%, and 110% load test, or custom made according to customer need, real simulation test for the specific load profile test.





## MOBILE GENERATING SETS

Please consult our sales department for relevant specifications and pictures



### Trailer Configuration

Trailer Type	Configuration
Running Speed <80(Km/h)	Including taillight, taillight connector, taillight wiring harness and outrigger
Running Speed<30(Km/h)	Including reflector, rubber sealing plug, outrigger, fender, block and fixed bolt



## HV GENERATOR SET

### Medium & High-Voltage Power System

Tide Power project team and the technician is always available to channel all their experience and expertise into finding solutions for medium and high voltage generator configuration. The team comprises of more than 20 members which includes project manager, engineers, technicians who work together on projects from design to installation as well as future maintenance, while ensuring full compliance with tender and project specification.

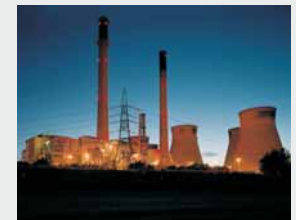


### HV generator set work process



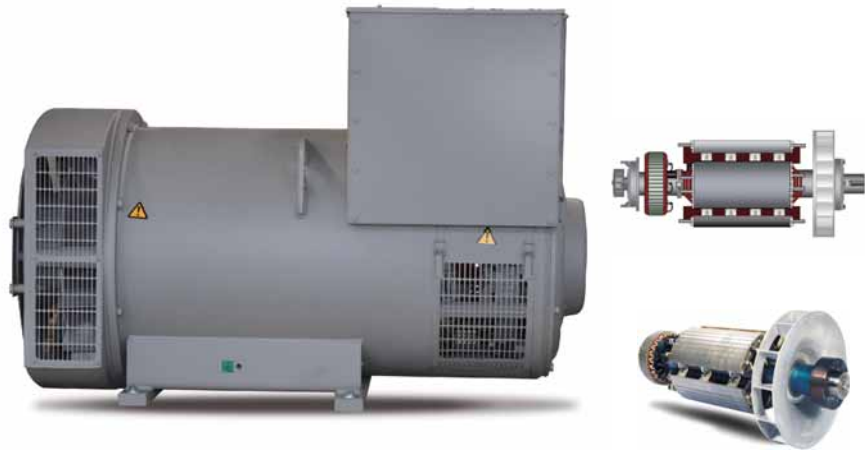
Power solution being the prime focus of Tide Power's strategy and development, manufacturing of High Voltage generator set forms an integral part of our main line of business. With rapid demand from data centre industry and those require huge capacity in their operation, HV generator is seen as a niche equipment in bringing more reliability and stability of providing the needed power.

May it be a little complicated in operation as well as the technical configuration, yet with the mature fundamental know how, HV generator set even promises greater flexibility for synchronization system in providing higher output power. Even the setting of the HV generator can be located at a distance from the loading source, the reduction of power lost is at the minimal with no overheating in transmission.



Load Transmission

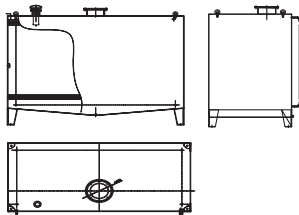
# ALTERNATOR



## Tide Power Brushless Alternator

- Tide Power 4kVA-2500kVA compact brushless alternator is manufactured and designed for typical generator applications, such as back up, standard production, cogeneration, rental, telecommunications etc. All our alternators are manufactured and marketed with ISO9001 & CE standard.

# CUSTOM MADE FUEL TANK



## Feature

- Plate steel construction
- Fuel level monitoring
- Fuel transfer systems
- Volume by liters-no limitation
- Leak detection etc
- Various requirements will be met

## KITS & ACCESSORIES

# Quality Guarantee

Enhance performance. Maximize convenience. Simplify maintenance.

Boost your generator's performance with genuine parts and accessories from Tide Power. Products are available to maximize convenience and simplify maintenance for years of reliable power. Maintaining your equipment with original equipment manufacturer parts is key to performance and reliability.

A wide range of spare parts & components supplying proves "Tide Power" intent to ensure our customers can maximise generator running time without interruption.

