The Power of Innovative Technologies

Variable speed generators based on intelligent, permanent magnet alternator technology, utilizing ultra compact diesel engines and fitted in a sound shield. The low frequency variable voltage and frequency will be connected to the DC PowerCube, which connects into the AC power. The DC PowerCube automatically loads the generator to its optimum running conditions. By setting the speed of the generator of your choice, you select the power output. With the Local read out module gives simple information about the information of the system. Easy to operated and control.

Permanent Magnet Generator Input

A sophisticated system for recharging the battery bank from the PM generator and/or AC grid. The 3+step charge algorithm assures a safe and fast recharge. The temperature sensors compensate the charge algorithm and give a proper start of your battery bank. The DC PowerCube protects your investment inside the Power storage and extends the lifetime of your expensive batteries. The DC PowerCube you have a variable size generator, which in all condition runs the generator of your choose, you select the power output. With the local read out module gives simple information about the information of the system. Easy to operated and control.

Power Cube charger control

Installation and setting up the PowerCube

Separate system control box is pre-wired and ready to install into the DC PowerCube automatically support the AC input from the client. Easy to install and configuration possibility by two power sources in all cases of an office or a grid input, you do not turn unnecessary expensive system. This lifetime for power management is matched to the DC PowerCube. With the DC PowerCube you save in cost fuel and equipment lifetime.

DC-PowerCube you safe on cost fuel and equipment lifetime. Power management is integrated into the DC PowerCube. With the grid input you do not burn unnecessary expensive diesel. This intelligence for fast recharge possibility by two power sources and in case of sufficient AC grid automatically support the AC input from the diesel. This result in the evident you run the generator and AC grid at the same time the AC grid support by generator.

Shore AC grid input

In the case AC grid is available and connected to the single-phase shore input and/or AC grid, the 3+step charger algorithm assures a safe and fast recharge. The power source and output stages. Just a simple selection by the on/off or slave charger. 12V-20A (3 step charge characteristic) short circuit protected.

Separate ac input and dc compartments makes it easy to install the DC-PowerCube. The remote connections are plug an play and when the unit is installed all covers are accessible from the front on the control card you can select the different battery setting like GEL/AGM or wet batteries mode. The Whisper PowerCube you have no limitations to travel around the world. The range gives the benefit to plug-in worldwide 120/240v - 50/60hz. With the your AC grid without tripping the ac grid over current protection. The wide input for reducing the Ac-grid input your can select the correct power drain from automatically the grid will use this source to power the system. By the option in the case AC grid is available and connected to the single-phase shore input and/or AC grid. The 3+step charge algorithm assures a safe and fast recharge.

Technical Data

<table>
<thead>
<tr>
<th>WP-DC PowerCube 24/150</th>
<th>WP-DC PowerCube 48/100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal battery voltage</td>
<td>24 VDC</td>
</tr>
<tr>
<td>Output current</td>
<td>0-150A</td>
</tr>
<tr>
<td>Output voltage</td>
<td>0-32VDC</td>
</tr>
<tr>
<td>Charge characteristic</td>
<td>80-300VAC (30-500Hz)</td>
</tr>
<tr>
<td>Grid input voltage range</td>
<td>90-264VAC (45-65Hz)</td>
</tr>
<tr>
<td>Slower charger</td>
<td>12V-20A (3 step charge characteristic) short circuit protected</td>
</tr>
<tr>
<td>Grid input voltage range</td>
<td>80-300VAC (30-500Hz)</td>
</tr>
<tr>
<td>PM generator input range</td>
<td>80-300VAC (30-500Hz)</td>
</tr>
<tr>
<td>PM generator voltage</td>
<td>24 VDC</td>
</tr>
<tr>
<td>Grid input voltage</td>
<td>24 VDC</td>
</tr>
<tr>
<td>Remote connections</td>
<td>5 step (24VDC, 12VDC, 12VDC, 24VDC, 48VDC)</td>
</tr>
<tr>
<td>Protection index</td>
<td>IP21</td>
</tr>
<tr>
<td>Dimension (h x w x l)</td>
<td>575x221x316</td>
</tr>
<tr>
<td>Weight</td>
<td>21 kg</td>
</tr>
<tr>
<td>Ventilation</td>
<td>Combined cooling (convection and forced_variable speed)</td>
</tr>
<tr>
<td>Relative humidity in operation</td>
<td>up to 95% without condensation</td>
</tr>
<tr>
<td>Suitability for batteries up to:</td>
<td>Up to 1500 Ah</td>
</tr>
<tr>
<td>Supported battery types</td>
<td>Open and sealed lead acid; GEL / Traction / AGM and Lithium-ion</td>
</tr>
<tr>
<td>Charge characteristic</td>
<td>3 steps IUoUo</td>
</tr>
<tr>
<td>Output voltage</td>
<td>0-32 VDC</td>
</tr>
<tr>
<td>Nominal battery voltage</td>
<td>24 VDC</td>
</tr>
<tr>
<td>Charger model number</td>
<td>60202002</td>
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<td>62040-2 Low voltage directive 2006/95/EC: EN 62040-1-1, EN 50091-2, EN 60950-1</td>
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<tr>
<td>Conformity Directive EMC 2004/108/EC : EN 61000-6-1, EN 61000-6-3, EN 55014, EN 55022, EN 61000-3-2, EN 55022</td>
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</tr>
</tbody>
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For more information and advice about WhisperPower products and services you can contact our local distributors and technical support partners. For an up to date list of addresses and phone numbers go to www.whisperpower.com.

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WhisperPower present a new hybrid power system

WP-DC PowerCube

WhisperPower combines the electrical power solution with means the produce and store energy in one exceptionally efficient solution in to the DC PowerCube. Based at the heart of the Dutch Industry, WhisperPower has developed the first integrated one box hybrid power solution designed especially for independence power system for yachts, super yachts, mobile homes and backup power. All in one system solution, your dc generator and shore battery charger in one power generation solution.

Less is more

WhisperPower offers with the dc-power cube more power for less. By bringing power generation into w grids you will enjoy smart control of your energy demands and sources. All this achieved without any loss or concessions to comfort. On the contrary, less is undoubtedly more with the Dc PowerCube

The Power of Integration

Our DcPowercube system generates, store, use exchange and control energy in an independent and integrated way. The system can load balance peak periods by sharing the supply and the energy from the storage. In off peak periods the power sources are in optimal running mode and store any unused energy. A modular concept for power ratings form 5kw..15kw combines hydraulic and AC and DC power.

The Power of Green

The DC PowerCube offers an exceptionally efficient energy saving system with maximum output. And by dispensing oversize generators you have much greater flexibility in terms of layout and volume. And considerable is the saving in weight—a crucial factor on yachts and mobile applications. The absence of the smell of exhaust fumes in silent running mode

Convention diesel generator power systems are wasteful in so many ways. The imbalance between night and day consumption means engines toe run at 50 precent capacity, The Dc powercube offers an ideal degree of flexibility thanks to its power balance.

Say goodbye to space consuming, Noisy and energy-inefficient diesel Engines that run round the clock.

Bid farewell to wasting vast amounts Of energy, polluting the environment And the expenses Of high maintenance systems

Welcome to the future Welcome to Green Energy Solution…

Less is more

Less restrictions
Less maintenance
Less insecurity
More reliability
More experience
More customisation

The Power of Clean

The operation mode of each power source is optimised and the energy sources is in the most efficient way, saving fuel and costs. The use of variable speed generator sets removes the power on demand can vary at different sizes, while constant operation gives with a fixed size and load-based optimisation curve. The result is significant fuel saving, greater environmentalfriendliness at an increased equipment lifetime.

The Power of Peace and Quiet

Noise is an annoyance —When dreaming of travelling the world beauty spots we manage to shut out the sound of noisy engines and generators. But in reality the humming of running engines can shatter the peace. With the DC Power Cube Generator System over you can.

The option for silent operation time using the battery banks, allowing spending several years in soundless surroundings.

The Power of Storage

As well as low noise of noise and minimal vibrations, the option to turn off the generator and use batteries opens up a whole new range of benefits. The DC PowerCube system allows you to store your own energy, use it during peak periods and redistributing during off peak periods. It also provides back up power in backup, off grid mode and protecting critical applications and systems.

The Power of Peace of Mind

Clean air equals a clean conscience… and you can also rest assured that the Dc PowerCube provides maximum safety for the family, guest and environment. Renowned Dutch quality is apparent in every aspect of the system All the components are development in the Netherlands and assembled in a production facility.

The Products fully comply with all the various classification regulations related Energetics. With over 15 years experience in hybrid power systems and understanding the requirements of the industries whether a retrofit or new-build installation, each project has distinctive requirements. WhisperPower will work out DC power cube systems for every project and professional independent power systems in the power range from 5 to 15 kw.

AC and DC power

GW-DC Power Generator
Variable Speed Technology (VST)
1 to 10 kW

AC Power Cube
24/150
AC Power Cube
24/5000
DC Power Cube
24/150
AC Power Cube
24/5000

Power Storage
24 to 48 Volt DC

AC grid single phase
110-230 VAC 50-60 Hz