

# DUOPack 1500

## Twin Power Generator



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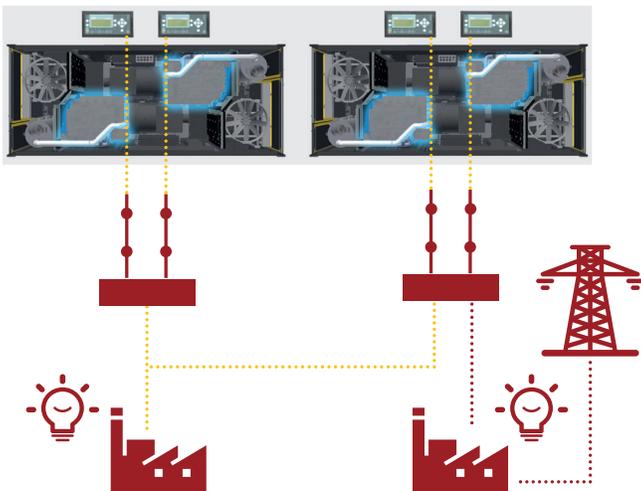
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## Double the flexibility, Twice the power

We understand your need for power, but do your power needs ever change? The DUOPack 1500 is a 20-foot containerized generator with 2 generators inside, making it perfect for applications that have variable power needs, whether that's due to the time of day or the current usage requirements.

Fully loaded, the DUOPack 1500 TwinPower offers two engines in a single container, solving load issues and reducing fuel consumption up to 40% on variable load applications compared to single engine solutions or 12% compared to other double engine solutions thanks to the Variable Speed fans DAE Pumps Technology.

Because you get two generators in one platform, you have the flexibility you need to run at 100% power load or even low power loads in the most efficient way. What's more, every feature you need comes as standard on the DUOPack 1500.



**1+1**  
2 GENERATORS, 1 BOX

UP TO **40%**  
LESS FUEL AND CO<sub>2</sub> EMISSIONS

**2** CLICKS EASY SELECT  
FUEL OPTIMIZER, REDUNDANCY, SPLIT

UP TO **1450 KVA**  
PRIME POWER  
**20'**

CENTRALIZED CONTROL & MONITORING

LOW TOTAL COST OF OWNERSHIP

65% STEP LOAD ACCEPTANCE

RUN AT **50%** DURING SERVICE

50/60Hz MULTI FREQUENCY GENERATOR

## Compact & versatile

- **IPP/Utilities (COP-PRP)**  
Low fuel consumption
- **Events (PRP – Redundancy)**  
Low noise
- **O&G/Marine (PRP-Peak Shaving)**  
Mobility (Dim. & weight)
- **Mining/Construction (PRP)**  
Support

## Optimized fuel autonomy and noise performance

- The optimized power pack and cooling pack with electrical fans & VSD control, will bring fuel savings up to 12% compared to other Solutions with regular flow through cooling systems. And additional benefit of variable speed fans is
- that the DUOPack 1500 is a very compact 20ft with very good noise levels.



## Superior power connectivity

- DUOPack 1500 offers a single bus bar easy convertible into double bus bar in case you need to power 2 completely different loads (even with different frequency).
- Additionally 6 Rows of 400Amps Camlocks with over current protection Will ensure express connectivity when needed.



## Centralized parallel package

- To tackle even bigger jobs, the DUOPack 1500 has two dedicated controllers, including touchscreen functionality, so you can easily parallel with other generators. You have the choice of island mode or PMS (Power Management System).
- Each generator can run in parallel with mains, peak shaving, mains power export/import, fixed power and AMF (Automatic Mains Failure).



## Key benefits

The DUOPack 1500 is a 20 ft. high cube ISO containerised unit housing two compact generators. This configuration, with its fast-parallelising system, allows the two generators to work independently or in parallel with each other, providing multiple solutions and combinations between prime and standby use.

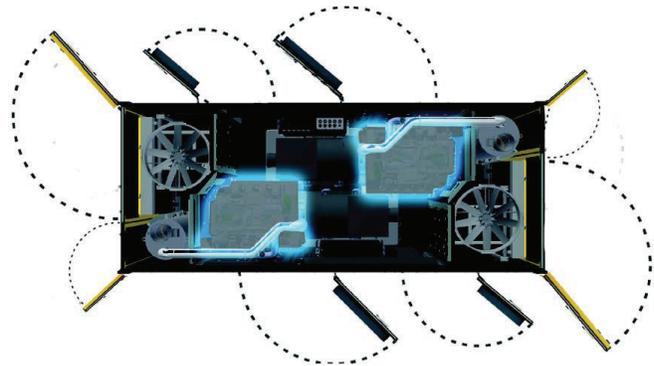


### Superior performance

- Outstanding power density of 1450kVA in an ISO20 container.
- EU Stage V & EPA T4F, 50/60Hz SCR only engine model.

### Reduced service cost

- The DUOPack 1500 is designed for 1 side easy service. Large access doors and custom service tools make for effortless maintenance and assured uptime.
- Service time can be extended thanks to the Parallel Management System (PMS), as one of the generators can be stopped according to load demand.
- TwinPower concept is using less oil and less consumables than typical single engine solutions.
- Above 500hrs hours without refilling thanks to the Murphy Oil maintainer.



### 24/7 power availability

- The service requirement is less than 2 hours of maintenance for every 500 hours of operation.
- Due to the TwinPower concept, it is possible to still benefit from 50% of the unit's total capacity during maintenance operations.

### Environmentally friendly

- The spillage free frame reduces any potential environmental impact. It can contain 110% of the fuel tank capacity.

## DUOPack 1500 Twin Generator

The electric VSD (Variable Speed Drive) motor-driven, cooling fan, adjusts the cooling flow to the specific requirements of the engine. It sets the DUOPack 1500 apart. These features provide fuel savings up to 40% in variable load applications vs traditional single engine solutions.

This model is specifically designed for intensive use in applications like independent power plants (IPP).



### The standard scope of supply includes:

- Tier4Final/EU Stage 5 engine
- Integrated PMS with Touch screen: 2 x Qc4004 + Qd1001
- Cold start (Batteries and block heater)
- Oil level maintainer
- Alternator protection system 2 and anti-condensation heaters
- AREP excitation and Digital AVR
- Single/double terminal board
- Cam Locks: 4 rows of 5 x 600Amps
- Battery cut off switch
- Internal lights
- Battery charger
- EFT External fuel tank connection
- AFT Automatic fuel transfer system AFT
- Integrated Spark Arrestor
- Fleetlink advanced

# Technical data

Performance data	Value	DUOPack 1500 DUOPACK	
Rated frequency	Hz	50	60
Rated power factor		0.8	
3 phase voltage	V	400/230	480/270
Rated standby power (LTP)	kVA/kW	1447/1157	1588/1270
Rated prime power (PRP)	kVA/kW	1365/1092	1450/1160
Rated current (PRP)	A	1970	1746
Fuel autonomy @75% PRP	h	9	8
<b>Engine</b>			
Make		Volvo	
Model		TWD1683GE	
Engine prime power output	hp (kW)	2 x 802 (590)	2 x 851 (626)
Engine speed	rpm	1500	1800
Emmision compliance		Stage V/EPA T4F	
Exhaust after treatment		SCR only	
<b>Alternator</b>			
Model		LSA49.3 M6	
Excitation		AREP Auxiliary windin g	
<b>Dimensions &amp; weight</b>			
L x W x H	ft	20 x 8 x 9'6" ( ISO20' High cube)	
Weight (Dry)	lb	40124	

