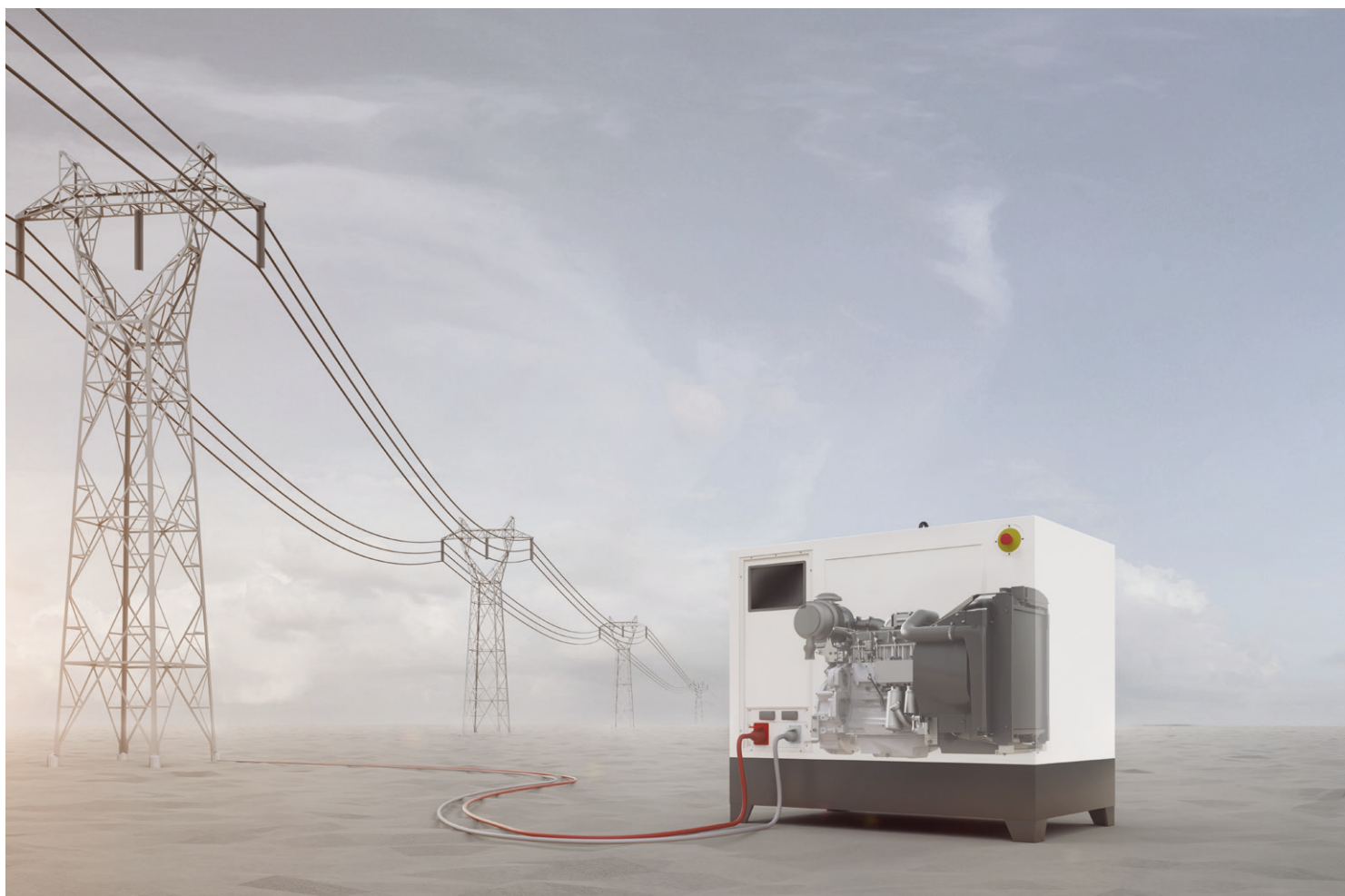




DEUTZ POWER SOLUTIONS.

Product Overview.

The engine company.

DEUTZ POWER SOLUTIONS.

Complete power generator sets that are manufactured and tested by DEUTZ. Customers can be assured of its quality, performance & reliability. The Standard DPS package includes various features and allows customization to meet any application requirements.

DPS STANDARD PACKAGE

- Integral fuel storage tank in the base frame with flexible suction pipes to the engine
- Rubber mountings
- Manual starting system
- Engine monitoring with
 - Shut down at low oil
 - Engines high temperature
 - Cracked v-belt (only with air-cooled engines)
- Frequency indicator
- Generator protection 3 poles
- Voltage indicator
- Ampere indicator
- Operating hour meter
- Visual alarm display at any malfunction
- Visual display on low fuel
- Muffler
- Battery 12/24 V
- Operation manual for the engine, generator, switch board (D/GB/F)

DPS OPTIONS

- Automatics for emergency power
- Display for battery charging, oil pressure, engine temperature, fuel tank content, generator protection 4 poles
- V-belt protection
- Acoustic alarm indicator
- Pre-heating system
- Large fuel storage tank (1.000–2.000l)
- Automatic tank filling system
- Chassis with service brake and lighting



The new range of DEUTZ POWER SOLUTIONS from 13 to 500 kVA.

TECHNICAL DATA.

AIR-COOLED ENGINES

GENSET MODEL		DPS 13	DPS 20	DPS 30	DPS 40	DPS 50	DPS 65	DPS 100	DPS 135
Rated speed	<i>rpm</i>	1500	1500	1500	1500	1500	1500	1500	1500
Rated voltage, 3 phases	<i>V</i>	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Rated apparent power (PRP), 3 phases	<i>kVA</i>	13,2	20,0	30,0	40,1	44,0	63,0	103,0	130,0
Rated apparent power (LTP), 3 phases	<i>kVA</i>	13,7	22,0	32,1	42,4	46,0	66,0	109,0	136,0
Nominal current (LTP) 400 V, 3 phases	<i>A</i>	20	31	46	61	68	98	160	202

Engine

Make		DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ
Model		F2L2011	F3L2011	F4L2011	BF4L2011	F4L914	F6L914	BF6L914	BF6L914C
Rated PRP gross power	<i>kW</i>	12,1	19,1	27,8	37,3	39,5	56,9	93,4	116,8
Rated LTP gross power	<i>kW</i>	12,6	20,1	29,1	39,2	41,5	59,7	98,1	122,6
Speed governing		mechanical	mechanical	mechanical	mechanical	mechanical	mechanical	mechanical	mechanical
Number of cylinders		2	3	4	4	4	6	6	6
Engine configuration		IL	IL	IL	IL	IL	IL	IL	IL
Displacement	<i>ltr</i>	1,55	2,33	3,1	3,1	4,3	6,5	6,5	6,5
Bore/Stroke	<i>mm</i>	94 / 112	94 / 112	94 / 112	94 / 112	102 / 132	102 / 132	102 / 132	102 / 132
Electrical equipment	<i>V/dc</i>	12	12	12	12	12	12	12	12
Fuel tank capacity	<i>ltr</i>	35	35	75	75	75	105	105	105

Generator

Make		Mecc Alte	Mecc Alte	Mecc Alte	Mecc Alte	Mecc Alte	Mecc Alte	Mecc Alte	Mecc Alte
Model		ECP3-2LN/4	ECP28-M/4	ECP28 VL/4	ECO32 3S/4	ECO32 1L/4	ECO32 3L/4	ECP34-2S/4	ECP34-2L/4
Generator efficiency	<i>%</i>	87	87	88	89	89	91	92	93

Consumption

Fuel (75% of charge)	<i>l/h</i>	2,4	3,4	4,9	6,7	7	10,1	16,6	21,7
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Weight and dimensions

Gensets open frame	<i>kg</i>	370	430	560	610	620	860	1010	1200
Length	<i>mm</i>	950	1300	1500	1500	2000	2000	2000	2000
Width	<i>mm</i>	680	680	830	830	830	950	950	950
Height	<i>mm</i>	1300	1300	1300	1300	1450	1450	1800	1800

LIQUID-COOLED ENGINES

GENSET MODEL		DPS 13	DPS 20	DPS 30	DPS 40	DPS 60	DPS 75	DPS 100	DPS 130	DPS 160
Rated speed	<i>rpm</i>	1500	1500	1500	1500	1500	1500	1500	1500	1500
Rated voltage, 3 phases	<i>V</i>	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Rated apparent power (PRP), 3 phases	<i>kVA</i>	13,0	20,0	30,0	40,0	60,0	74,0	102,0	129,0	160,0
Rated apparent power (LTP), 3 phases	<i>kVA</i>	14,0	22,0	33,0	44,0	66,0	79,0	108,0	143,0	168,0
Nominal current (LTP) 400 V, 3 phases	<i>A</i>	20,23	31,79	47,69	63,58	95,37	114,16	162,00	206,64	242,76

Engine

Make		DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ
Model		F2M2011	F3M2011	F4M2011	BF4M2011	BF4M2011C	BF4M2012C	BF4M1013EC	BF4M1013FC	BF6M1013EC
Rated PRP gross power	<i>kW</i>	12,4	20,4	29,4	39,2	56,1	71,0	97,0	117,0	146,0
Rated LTP gross power	<i>kW</i>	13,0	21,4	30,9	41,2	59,0	74,9	102,0	129,0	153,0
Cooling system		Oil	Oil	Oil	Oil	Oil	Water	Water	Water	Water
Speed governing		mechanical	mechanical	mechanical	mechanical	mechanical	mechanical	mechanical	electronic	mechanical
Number of cylinders		2	3	4	4	4	4	4	4	6
Engine configuration		IL	IL	IL	IL	IL	IL	IL	IL	IL
Displacement	<i>ltr</i>	1,55	2,33	3,11	3,11	3,11	4,04	4,76	4,76	7,146
Bore/Stroke	<i>mm</i>	94/112	94/112	94/112	94/112	94/112	101/126	108/130	108/130	108/130
Electrical equipment	<i>V/dc</i>	12	12	12	12	12	12	12	12	12
Fuel tank capacity	<i>ltr</i>	70	90	100	170	170	190	100	280	280

Generator

Make		Mecc Alte	Mecc Alte	Mecc Alte	Mecc Alte	Mecc Alte	Mecc Alte	Mecc Alte	Mecc Alte	Mecc Alte
Model		ECP3-2LN/4	ECP28-M/4	ECP28 VL/4	ECO32 3S/4	ECO32 2L/4	ECO32 3L4B	ECP-34-2S/4	ECP34-2L/4	ECO38 1SN
Generator efficiency	<i>%</i>	87	87	88	89	90	90	93	93	93

Consumption

Fuel (75% of charge)	<i>l/h</i>	2,4	3,4	4,9	6,8	9,3	13,0	14,5	18,3	24,7
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Noise Level

dbA by 100% of charge at 7m	<i>dbA</i>	67	67	67	70	70	73	73	75	75
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Weight and dimensions

Gensets open frame	<i>kg</i>	380	440	570	700	620	800	1300	1160	145
Length	<i>mm</i>	950	1300	1500	1500	2000	2000	2000	2000	2500
Width	<i>mm</i>	680	680	680	830	830	950	950	950	1060
Height	<i>mm</i>	1300	1300	1300	1350	1450	1450	1450	1450	1500
Gensets Sound Proof	<i>kg</i>	550	620	820	1060	1220	1620	1620	1880	2080
Length	<i>mm</i>	1800	2000	2200	2200	2500	2700	2700	3200	3200
Width	<i>mm</i>	900	900	900	900	1000	1100	1100	1200	1200
Height	<i>mm</i>	1300	1300	1300	1550	1650	1800	1800	2100	2100

GENSET MODEL		DPS 180	DPS 200	DPS 250	DPS 300	DPS 350	DPS 380	DPS 450	DPS 500
Rated speed	<i>rpm</i>	1500	1500	1500	1500	1500	1500	1500	1500
Rated voltage, 3 phases	<i>V</i>	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Rated apparent power (PRP), 3 phases	<i>kVA</i>	178,0	202,0	248,0	315,0	350,0	383,0	470,0	503,0
Rated apparent power (LTP), 3 phases	<i>kVA</i>	187,0	223,0	274,0	349,0	391,0	414,0	516,0	552,0
Nominal current (LTP) 400 V, 3 phases	<i>A</i>	270,22	322,24	395,93	504,31	565,00	598,23	745,62	797,64

Engine

Make		DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ
Model		BF6M1013FC	BF6M1013FC	TCD2013 L6/4V	BF6M1015C	BF6M1015C	BF6M1015CP	BF8M1015C	BF8M1015CP
Rated PRP gross power	<i>kW</i>	162,0	183,0	227,0	285,0	315,0	338,0	413,0	448,0
Rated LTP gross power	<i>kW</i>	170,0	201,0	250,0	314,0	345,0	365,0	459,0	490,0
Cooling system		Water	Water	Water	Water	Water	Water	Water	Water
Speed governing		electronic	electronic	electronic	electronic	electronic	electronic	electronic	electronic
Number of cylinders		6	6	6	6	6	6	8	8
Engine configuration		IL	IL	IL	V	V	V	V	V
Displacement	<i>ltr</i>	7,146	7,146	7,146	11,91	11,91	11,91	15,88	15,88
Bore/Stroke	<i>mm</i>	108/130	108/130	108/130	132/145	132/145	132/145	132/145	132/145
Electrical equipment	<i>V/dc</i>	12	12	24	24	24	24	24	24
Fuel tank capacity	<i>ltr</i>	370	370	370	395	395	395	500	500

Generator

Make		Mecc Alte	Mecc Alte	Mecc Alte	Mecc Alte	Mecc Alte	Mecc Alte	Mecc Alte	Mecc Alte
Model		ECO38 1SN	ECO38 1SN	ECO38 1LN	ECO38 2-4A	ECO38 3LN	ECO40 1S	ECO40 2S	ECO40 3S
Generator efficiency	<i>%</i>	93	93	93	94	94	94	94	94

Consumption

Fuel (75% of charge)	<i>l/h</i>	27,0	29,5	43,0	45,0	47,0	56,0	64,0	70,0
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Noise Level

dbA by 100% of charge at 7m	<i>dbA</i>	75	75	75	75	75	75	75	75
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Weight and dimensions

Gensets open frame	<i>kg</i>	1450	1570	1920	2400	2400	2600	2900	3000
Length	<i>mm</i>	2500	2500	2700	3000	3000	3000	3000	3000
Width	<i>mm</i>	1100	1100	1150	1500	1500	1700	1800	2050
Height	<i>mm</i>	1500	1500	1800	2200	2200	2200	2200	2200
Gensets Sound Proof	<i>kg</i>	2260	2260	2620	3500	3500	3620	3920	4060
Length	<i>mm</i>	3500	3500	3500	4000	4000	4000	4000	4000
Width	<i>mm</i>	1300	1300	1300	1600	1600	1600	2000	2000
Height	<i>mm</i>	2170	2170	2170	2340	2340	2340	2530	2530

CONTROLLER PANELS.

Choose for your DPS SYSTEM from our wide range of Controller Panel.

CONTROLLER PANELS



Application	Single Gen-Set Prime Power System	Single Gen-Set Standby & Prime Power System	Single Gen-Set Standby & Prime Power System	Single Gen-Set Standby & Prime Power System
DEUTZ Model Description	CLASSIC	BASIC	COMFORT	DELUXE
Features				
Binary Inputs / Outputs	6 / 6	4 / 6	7 / 7	8 / 8
Analog Inputs	3	3	3	4
Input & Output Configurations	✓	✓	✓	✓
D+ battery charging alternator circuit	✓	✓	✓	✓
Generator protections	✓	✓	✓	✓
AMF / MRS Functions	✓	✓	✓	✓
GCB/MCB Control with Feedback	✓	without Feedback	✓	✓
Frequency measurement Gens/Mains	✓	✓	✓	✓
ECU support via CAN	✓	✓	✓	✓
kW / kWh / kVA measurement	kVA only	kW / kWh / kVA	kW / kWh / kVA	kW / kWh / kVA
Magnetic pickup	✗	✓	✓	✓
RTC / Battery	✗	✗	✓	✓
Total Fuel Consumption	✗	✗	✓	✓
Dummy Load / Load Shedding	✗	✗	✓	✓
Analog Calibration	✗	✗	✓	✓
Auto. Temperature based on heating & cooling	✗	✗	✓	✓
PLC	✗	✗	✗	✓
Modbus support / SNMP support	✗	✗	○	✓
SNMP traps	✗	✗	✗	○
Remote Control	✗	○	○	○
Earth fault current protections	✗	✗	○	○
Manual Speed Control (For ECU Engines)	✗	✗	✗	✓
2 x 10 A binary output for cranking and fuel	✗	✗	✗	✓
Fuel pump	✗	✗	✗	✓
Connection type autodetect	✗	✗	✗	✓
TIER 4 Final Support	✗	✗	✗	✓

✓ included
 ✗ not included
 ○ optional as plug-in

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