

Generator Corresponding Type

SFT-D series

Normally, power source (AC) is rectified and supplies the AC power (sine wave) again with inverter.

At power outage, the inverter input is switched to a battery and provides no instantaneous interruption method feeding power. It is a method to start the generator automatically in preparation for long time power failure and to switch the input of UPS from the battery to the generator. It is a highly safe backup system to supply a constant-voltage constant-frequency for the ultra long time without any momentary interruption.

通常是对市电供电（交流）进行整流，然后通过逆变器提供交流电力（正弦波）。
为了防备以后长时间停电而自动启动发电机，停电时采用把逆变器的输入切换为由蓄电池供电的不间断供电方式。
这是不间断的可确保超长时间定电压和定频率电源的极其安全的断电保护系统。



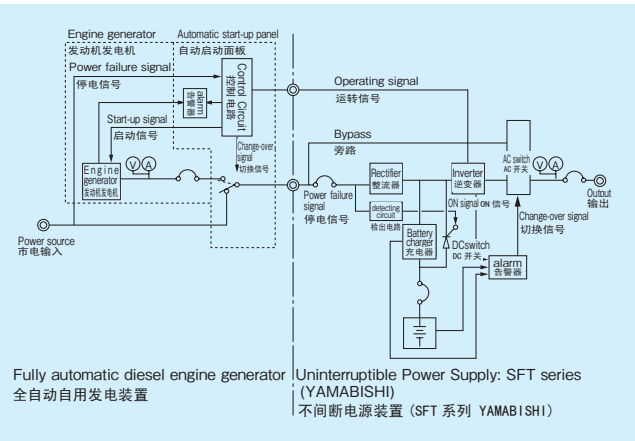
Application 用途

- System cannot be turned off even during prolonged power failure.
即使长时间停电，也可以持续供应电源的系统。

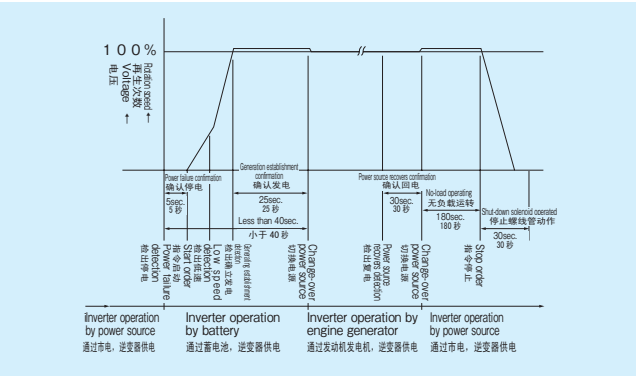
Feature 特长

- At power failure, the switching time at power restoration has no instantaneous interruption that does not influence the load at all.
当市电供电中断或者恢复时，向负载提供电源，而不造成任何瞬间断电。
- It has a function to switch automatically to by-pass with no instantaneous interruption, if the device malfunctions by any chance, which makes this system reliable and safe.
如果设备出错，或者过载时，可以迅速地自动切换到旁路。
- The diesel oil is used for the generator's fuel to actualize low running cost.
发电机的燃料使用成本比较低的轻油。
- Low noise makes minimum influence to surrounding environment.
采用低噪音设计，所以对现场环境的影响非常小。

Block Diagram 结构图



Time schedule of engine generator (40 seconds start-up)
发动机发电机的时间表（40 秒启动时）



可接发电机型不间断电源装置

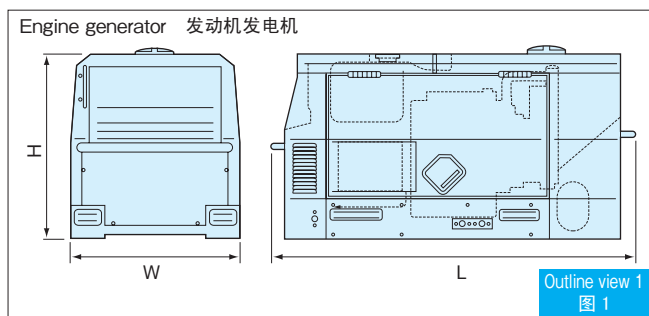
SFT-D系列

Specifications 规格

SFT								
Model 型号	5KHDX	7.5KHDX	10KHDX	15KHDX	20KHDX	30KHDX	40KHDX	50KHDX
	-	7.5SHDX	10SHDX	15SHDX	20SHDX	30SHDX	40SHDX	50SHDX
Capacity (KVA) 容量 (kVA)	5	7.5	10	15	20	30	40	50
Phase 相位	KHDX type : Single Phase , SHDX type : Three Phase KHDX 型: 单相 SHD 型: 三相							
Voltage 电压	100 or 110 or 115 or 120 or 200 or 220 or 230 or 240V or another 100, 110, 115, 120, 200, 220, 230, 240V 或其他							
Voltage Accuracy 电压精度	less than $\pm 2.0\%$ 小于 $\pm 2.0\%$							
Frequency 频率	50/60Hz (Switch) 50/60Hz (转换)							
Frequency Accuracy 频率精度	less than $\pm 0.1\text{Hz}$ 小于 $\pm 0.1\text{Hz}$							
Wave form 波形	pure sine wave 正弦波							
Wave Distortion 波形失真	less than 3% (linear load) 5% (rectifier load) 低于 3% (线性负载) 低于 5% (整流器负载)							
Over Current Protection 过电流保护	turn to bypass automatically 自动转移到旁路							
Phase 相位	Three Phase 三相							
Voltage 电压	100 or 110 or 115 or 120 or 200 or 220 or 230 or 240 or 380 or 400 or 415V or another 100, 110, 115, 120, 200, 220, 230, 240, 380, 400, 415V 或其他							
Voltage Range 电压范围	$\pm 10\%$							
Frequency 频率	50/60Hz $\pm 3\text{Hz}$							
Capacity (KVA) 容量 (kVA)	6.5	10	13	20	26	39	50	65
Backup Time 蓄电池保持时间	10min. (power factor 0.8 , 25°C) 10 分钟 (功率因数 0.8 在 25°C 时)							
Battery 蓄电池种类	Small-size lead battery 小型密封铅蓄电池							
Generator MODEL 柴油发动机型号	DCA-13ESKT	DCA-20ESKT	DCA-25ESKT	DCA-45ESIT	DCA-45ESIT	DCA-60ESIT	DCA-100ESIT	DCA-125ESMT
Frequency (Hz) 频率	50	50	50	50	50	50	50	50
Capacity (KVA) 容量 (kVA)	10.5	17	20	37	37	50	80	100
Voltage 电压	200	200	200	200	200	200	200	200
Power Factor 功率因数	0.8							
Phase 相位	Three Phase 4 Wire 三相四线							
Total engine displacement (L) 总排气量	1.393	2.197	2.179	4.009	4.009	6.494	7.961	7.540
Fuel 燃料	Diesel oil 轻油							
Fuel tank capacity (L) 燃料箱容量	62	62	62	100	100	155	200	210

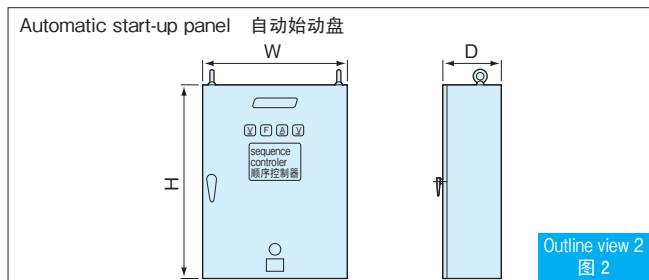
● Above-mentioned generator is DCA series of made in Denyo Co., Ltd. It can produce the specifications of the voltage of various countries in the world.

Outline view 外观图



Output Three Phase 三相输出型 发动机发电机

Model 型号	Dimension 尺寸			Weight 重量 (kg)
	W (mm) 宽	L (mm) 深	H (mm) 高	
DCA-13ESKT	650	1480	900	490
DCA-20ESKT	680	1630	900	579
DCA-25ESKT	7680	1540	980	564
DCA-45ESIT	880	1900	1250	1150
DCA-60ESIT	880	2420	1250	1540
DCA-100ESIT	1100	2750	1400	1860
DCA-125ESMT	1080	3000	1500	2560



Automatic start-up panel 自动始动盘

Model 型号	Dimension 尺寸			Weight 重量 (kg)
	W (mm) 宽	D (mm) 深	H (mm) 高	
ACP-60E	550	280	650	60
ACP-60D,150D	750	300	1000	90
ACP-200D,250D	800	350	1100	125

● About the outline view of the UPS, please refer to the outline view of the SFT series.
不间断电源外观图请参照 SFT 系列的外观图。