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SuperDataPower™

Serial industry digitaliztion UPS/INVERTER

DONVEY
LDC®

(10KVA~400KVA)

DSP All digital control Technology

DONVEY LDC digital industry super isolation online UPS, which is designed for Indian large-scale power plants according to Indian power grid characteristics, which is mainly applied on uninterrupted power supply equipments and occasions, which need high reliability, such as centralized power supply DSC control system, communication system, monitor and control system, internet management center, and production lines etc.



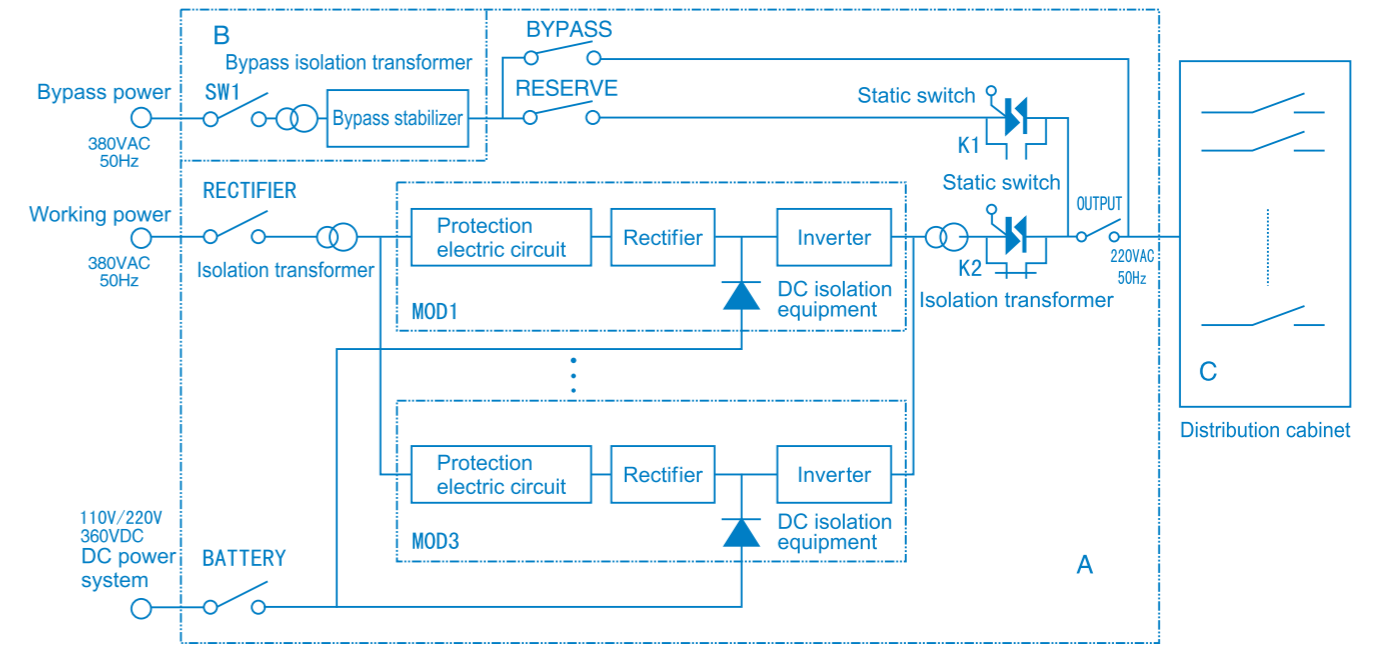
LDC Technology INC
美国艾迪森

Related certificates of USA LDC TECHNOLOGY INC.



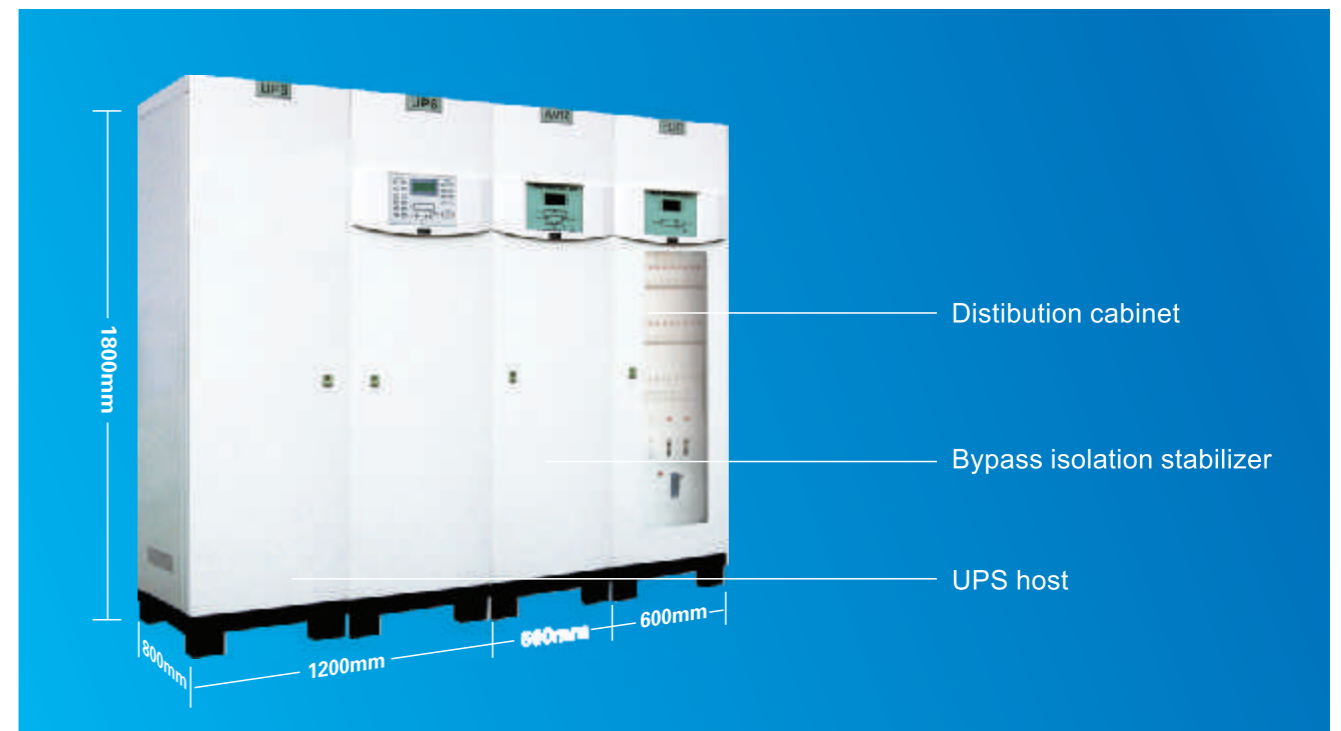
Industry products which could make according to customer's requirements

System principles chart [USA LDC SDP series (for power grid) industry UPS system chart.]



A. UPS host (import) B. Bypass isolation stabilizer(import or made in China) C. Distribution cabinet

System site arrangement diagram



UPS Technology features



- Rectifier, introduce 12 pulses or 18 pulses, 24 pulses SCR rectification design, switcher and inverter introduce IGBT design
- 32 Digit DSP fully-digital control technology
- Software procedure could control and set remote parameter.
- Quick charging design, could be controlled through panel.
- Up to 0.90 input capacity factor
- Up to 8 sets parallel connection redundancy system
- High overall unit efficiency
- Lower than 7% input current distortion
- International standard communication agreement

UPS performance features



SDP10~40KVA



SDP50~120KVA

- **All Modulization design**
“Plug and play” modulization design, rectification unit and inverting unit and isolation diode integrated in a module, then pluck and insert can be proceeded, which can shorten maintenance time greatly.
- **All redundancy**
Multi “plug and paly” power modules running parallel, form N+1 redundance; Control source, Microprocessor of main control panel and cooling fan all take double sets redundance design, any single-point fault can't influence the running of overall unit; Control of output voltage take the closed cycle of 1+1 redundancy, which can make sure that once one way feedback not work, which will not bring about high pressure output to burn out load.
- **Chinese display (multi-language is available)**
Big screen LCD liquid crystal display, All chinese display of UPS supervising software, simple and clear operation which make operator working without language obstacles, quick to learn.
- **All digitization Control**
Using DSP and IGBT control switch assembly: which can improve system stabilization and machine efficiency.
- **Intelligent parallel warm backup**
Without paralling machine panel, only a communication wire is needed, multi-host machine communication wire cycle design, form closed cycle, once a wire broken, which will not influence the multi-machines running parallel.
- **Humanized Operation and Control Design**
Without procedurized operation and control limit, simple operation, different from other brand UPS with strict operation procedure control.
- **Super wide range of Input voltage**
Upon on full load, input voltage is very wide, from 300VAC to 520VAC. So , when most UPS need battery discharge which can assure the voltage stabilization, they still operate normally.
- **Intelligent Monitoring and Control and Radiator Fan speed control**
Any faults of fan can be supervised on UPS panelor through RS232 interface, the speed of the fan could ajust automatically according to the load, prolong the lifespan of fan, reduce the noise.
- **Quick switching of Static Switch without disturbance**
32 figure DSP digital control technology, and current detecting way which reduce the switching time to zero
- **Faults history record**
All the related material and time of every fault will be recorded in UPS, so the user could know everything about the UPS, even when without power, all the material recorded in UPS couldn't be cleared.
- **Remote Check and Test**
Through internate, we can check and test UPS remotely which assure your system running reliably every time.
- **Intelligent Communication interface**
One RS232 gorge line, four RS485 forge lines, and the standard communication interface form intelligent supervising system. And connect SNMP equipment. 20 couples passive dry contacts, which can be choosed at your will.

UPS system design features

- Real industrial level standard
- Up to 8 sets single-phase machine paralleled connection redundancy operation
- Full series three phase in, single phase out.
- Accept multi-lines different phases , and DA or DC power input of different frequency.

UPS system paralleled connection plan

Up to 8 sets paralleled connection redundancy running, no need to put cabinets together, only a communication cable is needed, multi host machines could run in parallel connection.

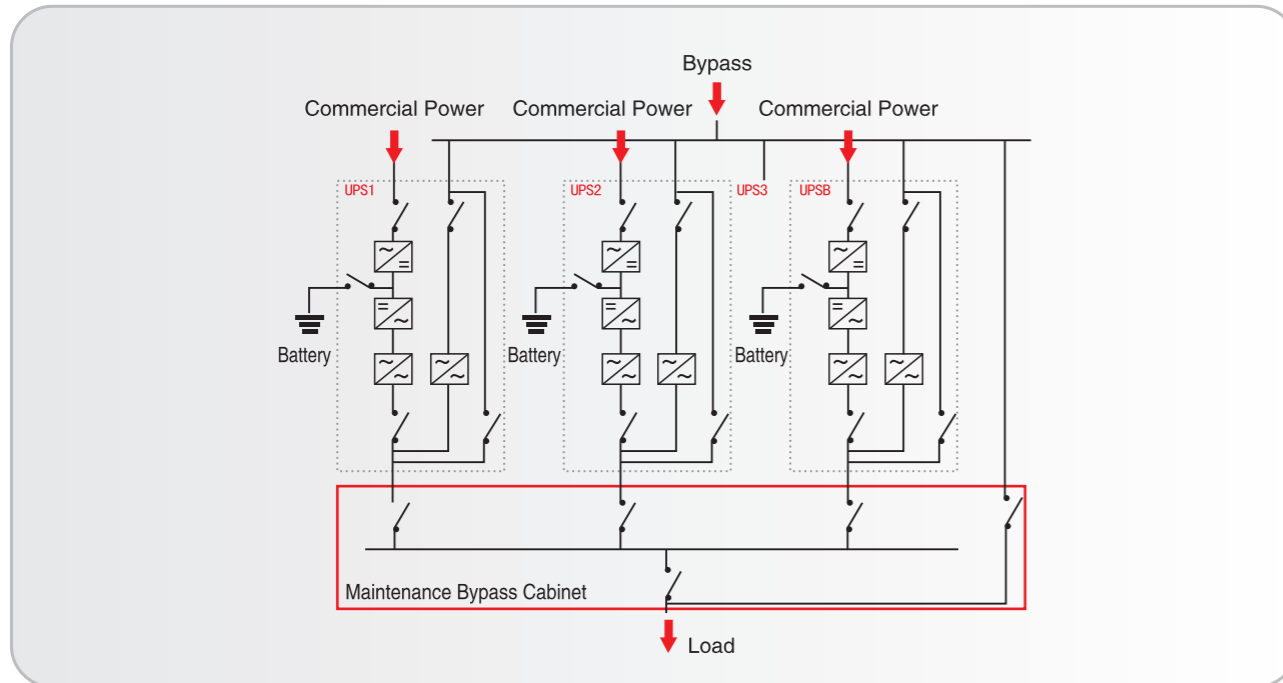
Super data series could realize below parellel connection plans

- Same capacity UPS could connect parallel directly;
- Different capacity UPS could connect parallel directly;
- Same capacity, different brand UPS could connect parallel directly;
- Different capacity, different brand ups could connect parallel directly;

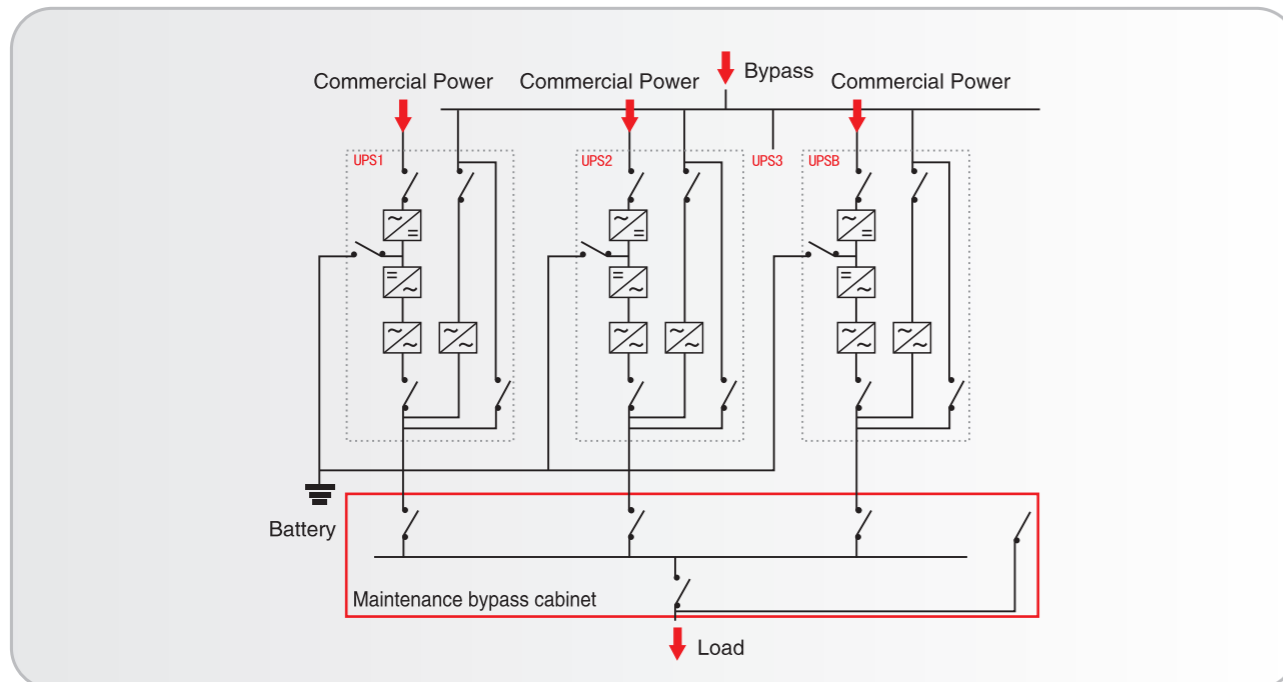
Parallel connection system options

- Maintenance bypass cabinet
- SCT Synchronize Controller
Allow non-parallel two sets or multi-sets UPS still running synchronously on power supply ineffective. SCT could make a independent but different capacity UPS running synchronous.
- PSPD power system parallel connection system equipment could form parallel connection, SLAVE UPS could running synchronously with Master UPS all the time. If one set UPS fault occurred, PSPD could automatic connect another set UPS through extra bypass system .Although different brand ups could realize.

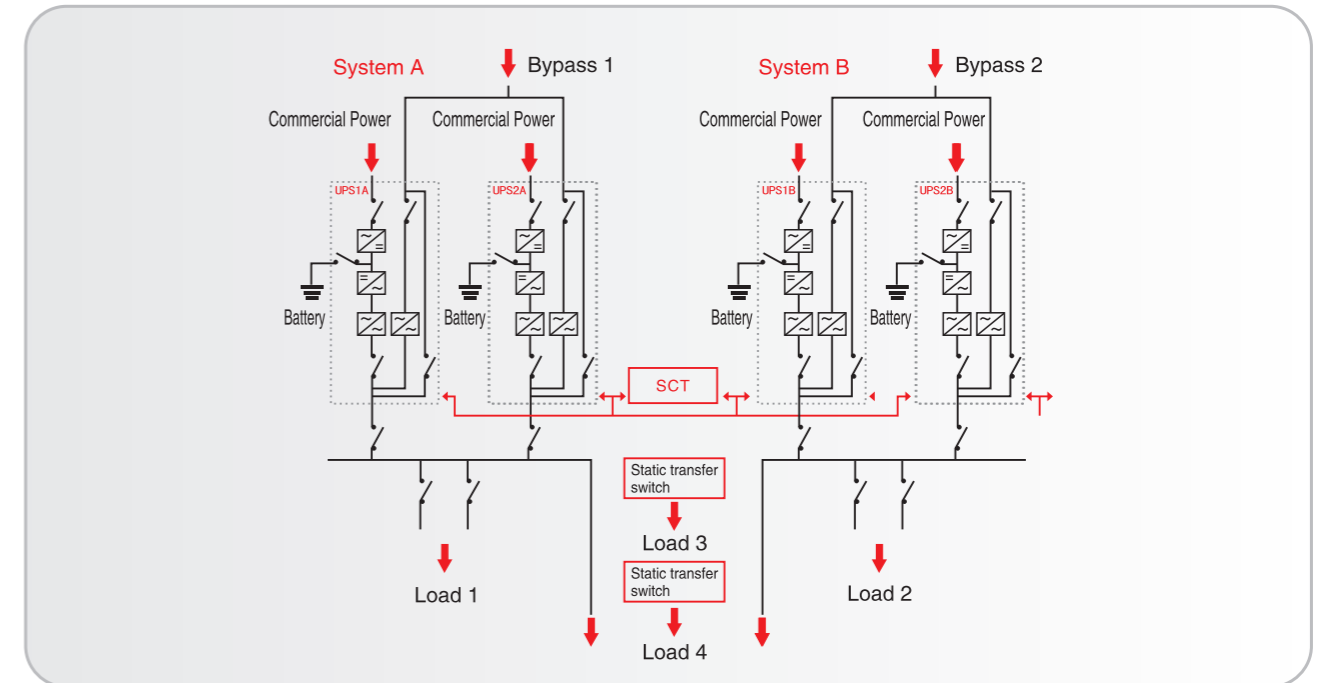
1. Up to 8 sets ups parallel-machines respectively configured with dependent battery group.



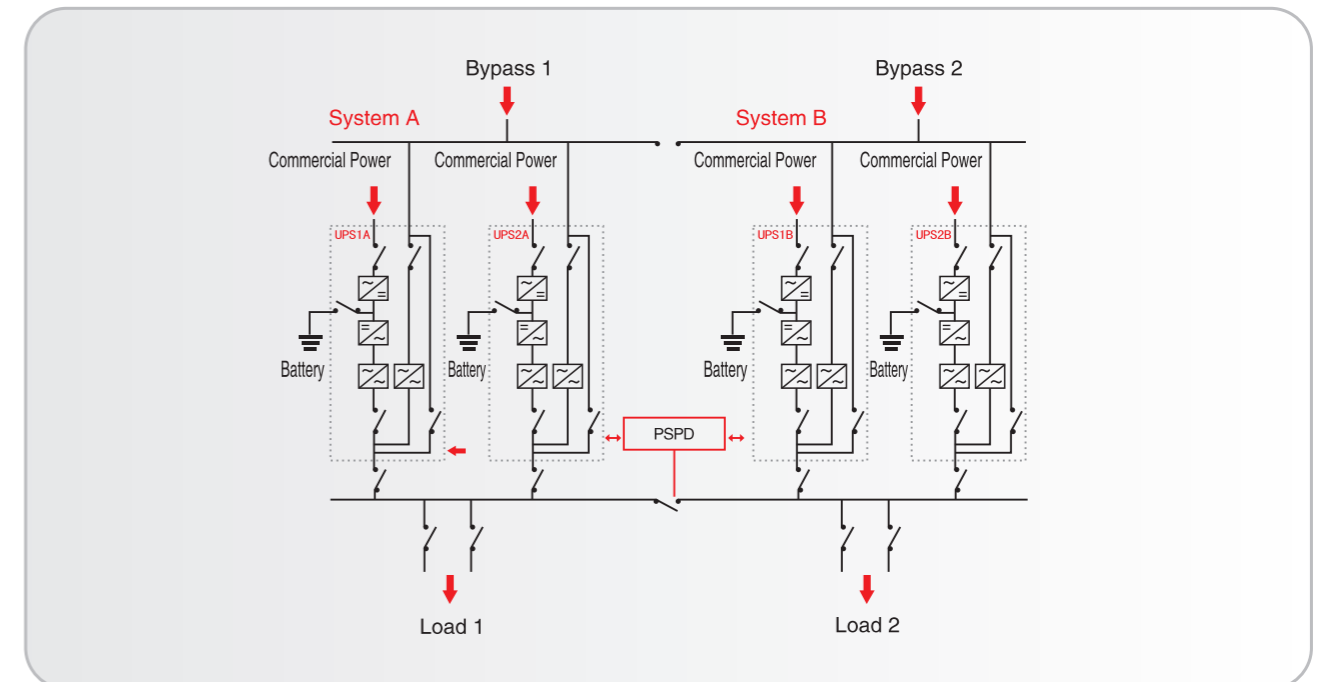
2. Up to 8 sets UPS parallel configuration incommen battery group



3. Dynamic double bus configuration



4. Double bus system configuration



SDP series industry UPS technology parameter(DC 220V DC 360V)

Model	SDP (10 15 20 30 40)	SDP (50 60 80)	SDP (100 120)	SDP (160)
UPS type	Double switching online			
Efficiency	>92%			
UPS ambient temperature	-10~+40℃			
UPS storage temperature	-20~+70℃			
Relative humidity	Non-condensation			
Height	under the sea level			
Height>1500m,the capacity lower	7%/km			
Ventilation way	1+1 redundancy fan,air blast cooling,under-floor air-distribution			
Noise	60dBA		80dBA	
Input/output cable connection	Bottom			
Communication interface	RS232(one)/RS485(four)、Dry contact(one group),(SNMP is selectable)			
Specification	CE、EN50091-1,2		Conform	
	FCC CLASS A		Conform	
Protection of electric circuit	short circuit protection Rectifier/Spare Power /bypass switch			
	lightening protection MOV			
	EMC filtration Input & output			
	Isolation Input/output/bypass all isolation			

Rectifier

Bridge type rectifier	3 phase 6 pulse controllable rectification	3 phase 12 pulse controllable rectification	3 phase 18 pulse controllable rectification	3 phase 24 pulse controllable rectification
Rated input voltage(VAC)	380V/400V/415V -20%~ +35%,three phase three lines or three phase four lines			
Input frequency	50/60Hz ± 10%			
Input capacity factor	>0.9			
DC output voltage	220VDC/360VDC			
DC output voltage precision(loading 0~100%)	± 1%			
Efficiency	99%			

Inverter

Bridge type Inverter	Inverter controlled by IGBT DSP			
DC input range	220V/360VDC ± 25%			
Rated output voltage	220V/230V/240V、380V/400V/415V			
Output capacity factor	0.8			
Output frequency	50/60Hz ± 0.1%			
Output Voltage stability	Static ± 1%			
	Dynamic(0~100%~0) ± 3%			
	Output voltage recovery time After ladder loading,back to ± 2% in 1 millisecond			
Overloading capacity	125% lasts 10 min,150% lasts 1 min			
Shortcircuit features	Shortcircuit protection,limited as 3 times rated current,100ms			
Output waveform	Sine wave			
Output waveform distortion	Linear loading <2%			
	Non-linear loading (peak value 3:1) <5%			
Peak value factor	no limitation			
Efficiency	>93.5%			
DC cold start	Available			

Bypass

Automatic static switch	thyristor SCR,contactor,redundancy design			
Rated voltage	220V/230V/240V ± 20%(settable)			
Rated frequency	50/60Hz ± 5%(settable)			
Static bypass transfer time	0ms			
Inverter switch to static bypass	Testing inverter,inverter faults,inverter input voltage excess,inverter output voltage excess			
Overloading capacity	150% 30min			
	1000% 1min			

Mechanical parameter

Model	SDP10	SDP15	SDP20	SDP30	SDP40	SDP50	SDP60	SDP80	SDP100	SDP120	SDP160
Protection grade	IP20										
Cabinet Size (mm)	W		600				1800				
	D		800				1800 (IP20、IP30、IP40)				
Weight (KG)	H ₁		2000 (IP21、IP32、IP42)				700				
	H ₂		730				750				

Remark:Due to the develop improvement of products ,specification changes will not be informed timely.

SDP series industry UPS technology parameter(DC 110V)

Model	SDP (10 15 20)	SDP (30 40)	SDP (50)
UPS type	Double switching online		
Efficiency	>92%		
UPS ambient temperature	-10~+40℃		
UPS storage temperature	-20~+70℃		
Relative humidity	Non-condensation		
Height	under the sea level		
Height>1500m,the capacity lower	7%/km		
Ventilation way	1+1 redundancy fan,air blast cooling,under-floor air-distribution		
Noise	60dBA		80dBA
Input/output cable connection	Bottom		
Communication interface	RS232(one)/RS485(four)、Dry contact(one group),(SNMP is selectable)		
Specification	CE、EN50091-1,2		Conform
	FCC CLASS A		Conform
Protection of electric circuit	short circuit protection Rectifier/Spare Power /bypass switch		
	lightening protection MOV		
	EMC filtration Input & output		
	Isolation Input/output/bypass all isolation		

Rectifier

Bridge type rectifier	3 phase 6 pulse controllable rectification	3 phase 12 pulse controllable rectification	3 phase 18 pulse controllable rectification
Rated input voltage(VAC)	380V/400V/415V -20%~ +35%,three phase three lines or three phase four lines		
Input frequency	50/60Hz ± 10%		
Input capacity factor	>0.9		
DC output voltage	110VDC		
DC output voltage precision(loading 0~100%)	± 1%		
Efficiency	99%		

Inverter

Bridge type Inverter	Inverter controlled by IGBT DSP		
DC input range	110V ± 25%		
Rated output voltage	220V/230V/240V、380V/400V/415V		
Output capacity factor	0.8		
Output frequency	50/60Hz ± 0.1%		
Output Voltage stability	Static ± 1%		
	Dynamic(0~100%~0) ± 3%		
	Output voltage recovery time After ladder loading,back to ± 2% in 1 millisecond		
Overloading capacity	125% lasts 10 min,150% lasts 1 min		
Shortcircuit features	Shortcircuit protection,limited as 3 times rated current,100ms		
Output waveform	Sine wave		
Output waveform distortion	Linear loading <2%		
	Non-linear loading (peak value 3:1) <5%		
Peak value factor	no limitation		
Efficiency	>93.5%		
DC cold start	Available		
Parallel uneven current	<3%		

Bypass

Automatic static switch	thyristor SCR,contactor,redundancy design		
Rated voltage	220V/230V/240V ± 20%(settable)		
Rated frequency	50/60Hz ± 5%(settable)		
Static bypass transfer time	0ms		
Inverter switch to static bypass	Testing inverter,inverter faults,inverter input voltage excess,inverter output voltage excess		
Overloading capacity	150% 30min		
	1000% 1min		

Mechanical parameter

Model	SDP10	SDP15	SDP20	SDP30	SDP40	SDP50
Protection grade	IP20					
Cabinet Size (mm)	W		600		1200	
	D		800		1800 (IP20、IP30、IP40)	
Weight (KG)	H ₁		2000 (IP21、IP32、IP42)		700	
	H ₂		730		750	

Remark:Due to the develop improvement of products ,specification changes will not be informed timely.

Recent sales achievement

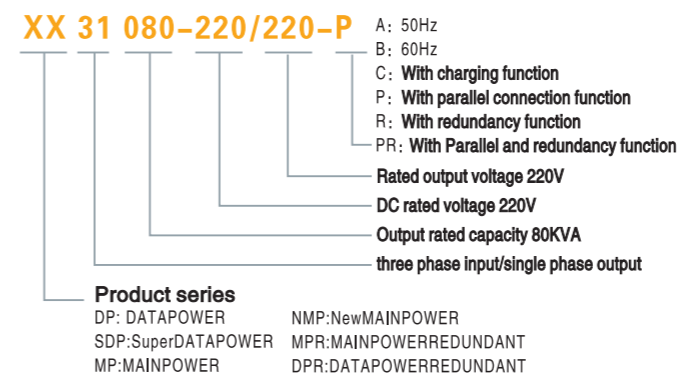
Item	Customer	Unit Capacity	UPS Quantity	Item	Customer	Unit Capacity	UPS Quantity
1	Huaneng Haimen Electricity Co., Ltd	1036MW x 2	120KVA*4 20KVA*1	59	Nanjing Terminal Power plant	600MW x 2	100KVA*2
2	Huaneng Jining Power plant two issues (2 x 1030MW) project	1030MW x 2	100KVA*4 10KVA*1	60	Fujian Shishi Hongshan Terminal Power plant	600MW x 2	80KVA*3
3	Huaneng Yuhuan Electricity Co., Ltd	1000MW x 4	80KVA*3 20KVA*5 40KVA*1	61	Guodian Fujian Nanpu Power plant Unit Project	600MW x 2	80KVA*2
4	Zouxian Power plant	1000MW x 2	40KVA*1	62	Shanxi Gujiao Power plant two issue Project	600MW x 2	60KVA*4
5	Shanghai Waigaoqiao No3 Power Generation Co., Ltd	1000MW x 2	80KVA*4 10KVA*2	63	Shenhua Shengli Power plant Project	600MW x 2	80KVA*2
6	Datang Guangdong international chaozhou Power plant	1000MW x 2	100KVA*4 40KVA*2	64	Zhongdiantou Yanshanhu Power plant New Project	600MW x 2	80KVA*2 10KVA*2
7	Tianjin Beijing Power plant	1000MW x 2	100KVA*4	65	Yunnan Huadian Zhenxiong New Project	600MW x 2	100KVA*2 40KVA*1
8	Shanghai Caojing Power plant	1000MW x 2	100KVA*4	66	Shanxi Shentou Second Power plant	500MW x 2	30KVA*2
9	Huadian Ningxia Lingwu Power Co., Ltd two issues Project	1000MW x 2	80KVA*4 15KVA*1	67	Zhejiang Zhenhai Power plant	430MW x 2	30KVA*2
10	Pingdingshan Secondly Power plant one issue Project	1000MW x 2	80KVA*4	68	Huaneng Shanghai Burning-machine Electricity Co.Ltd	400MW x 3	80KVA*1 30KVA*2
11	Guodian Jianbi Powerplant Ultra-supercritical units Project	1000MW x 2	80KVA*20 40KVA*2 15KVA*1	69	China Huaneng Hebei Shang' an Power plant	350MW x 3	50KVA*3
12	Jiangsu Changshu Power plant Project	1000MW x 2	100KVA*4 15KVA*2	70	Huaneng group Hainan dongfang Power plant	350MW x 2	60KVA*4 10KVA*2
13	Huaneng Shandong Rizhao Power plant	670MW x 2	80KVA*4	71	Nanyang Yahekou Powerplant	350MW x 2	30KVA*1
14	Huadian Anhui Wuhu Power plant	660MW x 2	40KVA*1	72	Huaneng Jining Power plant	350MW x 2	80KVA*2
15	Hebei Guohua Dingzhou Powerplant	660MW x 2	100KVA*2	73	Liaoning Dongfang Power plant 01,02 Unit project	350MW x 2	30KVA*1
16	Datang group Changshan thermal power plant	660MW x 1	60KVA*2	74	Hefei second power plant first issue projects in coal-fired units	350MW x 2	20KVA*1 10KVA*1
17	Shanxi xuanguang kengkou power plant (first period)	660MW x 2	80KVA*2 30KVA*1	75	Tianjin Junliangcheng Power Plant 5 issue heating expansion unit project	350MW x 2	80KVA*2
18	Huaneng Jiutai Powerplant one issues project	660MW x 2	80KVA*2 30KVA*1 20KVA*1	76	Huaneng Huangtai Power plant Project	350MW x 2	80KVA*2 30KVA*1
19	Hebei Guohua Huanghua Power plant Second Issues Project	660MW x 2	40KVA*1	77	Neimenggu Menghua Haibo'wan Power plant	330MW x 2	30KVA*1
20	Huaneng Jingganshan power plant	660MW x 2	60KVA*4 20KVA*2	78	Neimenggu E'erduosi Electricity Co.Ltd	330MW x 2	60KVA*1
21	Guoxin Jingjiang power plant	660MW x 2	80KVA*4	79	Huaneng Hainan Power plant	330MW x 1	80KVA*2 40KVA*1
22	Hunan Huadian Changde Power plant	660MW x 2	60KVA*4	80	Tianjin dongbeijiao Thermal power plant	330MW x 2	40KVA*4
23	Datang Jingtai power plant	660MW x 2	40KVA*1	81	Guodian Xinjiang Hongyanchi Power Co.,Ltd	330MW x 2	80KVA*2
24	Huaneng Hanfeng Power plant one issue unit	660MW x 2	20KVA*2	82	Huadian Xinjiang Power Co.,Ltd Wulumuqi Thermal power plant	330MW x 2	40KVA*1
25	Huaneng Fuzhou three issue Project	660MW x 2	50KVA*4	83	Huaneng Yingkou Thermal Power plant	330MW x 2	80KVA*2 20KVA*2
26	Luneng Hequ Power plant two issue Project	660MW x 2	60KVA*4	84	Ningdong waste rock Power unit Project	330MW x 2	80KVA*2
27	India Jhajar Power plant Project	660MW x 2	100KVA*4	85	Henan Huadian Luohe one issue Thermal Power Project	330MW x 2	30KVA*1
28	Jiangxi Xinchang Power plant Project	660MW x 2	40KVA*1	86	Huadian Zibo Co.,Ltd Project	330MW x 2	80KVA*2
29	Weijiamao coal power plant one issue super-critical unit Project	660MW x 2	80KVA*2	87	Zhongdiantou Ningxia Linhe power station one issue project	330MW x 3	80KVA*3 20KVA*1
30	Neimenggu Bulian power plant ultra-supercritical coal-fired air-cooled unit project	660MW x 2	100KVA*2 15KVA*1	88	Indonesia Longwan Coal fire power plant project	315MW x 3	100KVA*3 10KVA*5
31	Jiangsu Zhenjiang Electricity Co.Ltd	600MW x 2	80KVA*4 30KVA*1	89	Indonesia PLTU 1 Jatim-Pacitan (2x315MW)	315MW x 2	100KVA*2 15KVA*1 10KVA*3
32	Huaneng Jiangsu Taicang Power plant	600MW x 2	100KVA*2 30KVA*1	90	Neimenggu Keyouzhong Power plant Project	330MW x 1	80KVA*1 10KVA*1
33	Hebei Datang Wangtan Power plant	600MW x 4	80KVA*3 10KVA*2 40KVA*1	91	Datang group ha'erbin first Thermal power plant	300MW x 2	80KVA*2
34	Neimenggu Shangdu Power plant	600MW x 2	80KVA*6	92	Heilongjiang Huadian Qiqihar Thermal power plant	300MW x 2	80KVA*2 15KVA*1
35	Zhejiang Datang Wushashan Power plant	600MW x 4	80KVA*6	93	Tianjin Chentangzhuang Thermal power plant	300MW x 2	80KVA*2
36	Datang Qitaihe Power plant	600MW x 2	50KVA*4	94	China Huaneng Shanxi Yushe Power plant	300MW x 2	80KVA*2
37	Anhui Fuyang Power plant	600MW x 2	80KVA*4	95	Gujiao Powerplant of Shanxi xingneng Electricity Co.Ltd	300MW x 2	80KVA*2
38	Yangzhou Second Power plant	600MW x 2	50KVA*2 80KVA*4	96	Jiangsu Zhangjiagang Power plant	300MW x 1	60KVA*1
39	Sichuan Bashu Luzhou Power plant	600MW x 2	60KVA*2 40KVA*2	97	Shanxi Gujiao Power plant	300MW x 2	15KVA*2
40	Datang Huayin Jinzhushan Power plant	600MW x 2	40KVA*1	98	Gansu Jiayuguan Hongcheng Thermal Power plant	300MW x 2	80KVA*2
41	Xibaipo Power plant	600MW x 2	40KVA*1	99	Jiangsu Xinhai Electricity Co.Ltd	300MW x 2	80KVA*2
42	Guodian Shandong Feixian Power plant	600MW x 2	30KVA*1	100	Jiangsu Pengcheng Power plant	300MW x 2	30KVA*1
43	Guizhou Qiandong Fire Power plant	600MW x 2	80KVA*4	101	Wuhan Qingshan Power plant	300MW x 2	20KVA*1
44	Guangxi Zhongdian fangchenggang Power plant	600MW x 2	30KVA*1	102	Shandong Huaneng Xindian Electricity Co.Ltd	300MW x 2	80KVA*2 30KVA*1
45	Huolinhe kengkou Power plant	600MW x 2	50KVA*1	103	Yunnan Datang Honghe Electricity Co.Ltd	300MW x 2	60KVA*4
46	Shanxi huadian pucheng Power plant	600MW x 2	100KVA*2 20KVA*2	104	Gansu Zhangye Power plant	300MW x 2	40KVA*1
47	Neimenggu Yuanbaoshan Power plant	600MW x 1	120KVA*1	105	Henan Xinmi Power plant	300MW x 2	80KVA*2
48	Yunnan Diandong Coal-electricity Second (Yunang Coal-electricity integration)	600MW x 4	60KVA*4 40KVA*4	106	Huadian Zhangqiu Power plant	300MW x 2	80KVA*2
49	Datong Meikuangtashan kengkou Power plant	600MW x 2	60KVA*4 10KVA*2	107	Neimenggu Zhunda Power plant	300MW x 2	80KVA*2 10KVA*2 30KVA*1
50	Huai Zhe coal electricity company Fengtai power plant	600MW x 2	40KVA*1	108	Neimenggu Xinfeng Thermal power plant	300MW x 2	40KVA*4
51	Huaneng Hebei Shang' an Power plant	600MW x 2	40KVA*1	109	Neimenggu Wulashan Power plant	300MW x 2	40KVA*4
52	Baiyinhua Jinshan Kengkou Power plant	600MW x 2	120KVA*2 20KVA*1	110	Neimenggu Baotou Third Thermal power plant	300MW x 2	30KVA*1
53	Shanxi Zhaoguang Power plant	600MW x 2	80KVA*3 10KVA*2	111	Neimenggu Mengxi Power plant	300MW x 2	40KVA*4 10KVA*1
54	Guodian Bengbu Power plant	600MW x 2	100KVA*2 15KVA*2	112	Hunan Chuangyuan Power plant	300MW x 2	60KVA*4
55	Huaneng group Shanghai Shidongkou No2 Powerplant	600MW x 2	60KVA*4 30KVA*2 15KVA*1	113	Datang Taiyuan Second Thermal power plant	300MW x 2	80KVA*2 30KVA*1
56	Neimenggu daban Power plant	600MW x 2	50KVA*4 20KVA*1	114	Guodian Power Datong Second Power plant	300MW x 2	40KVA*1
57	Shandong Liaocheng Power plant	600MW x 2	40KVA*1	115	Hebi Tongli Power plant	300MW x 2	20KVA*2
58	China Water-Electric develop group Chongxin Power Co., Ltd	600MW x 2	80KVA*2 20KVA*1 20KVA*1	116	Jiangxi Fengcheng Power plant	300MW x 2	30KVA*1

Item	Customer	Unit Capacity	UPS Quantity	Item	Customer	Unit Capacity	UPS Quantity
117	Guodian Dazhou Wanyuan Power plant	300MW x 4	40KVA*4	146	Jilin Power Co.,Ltd Siping Power plant Two issue Project	300MW x 2	40KVA*1
118	Shanxi Yangguang Power plant	300MW x 4	40KVA*1	147	Huadian Nengyuan Mudanjiang Second Power plant Project	300MW x 2	80KVA*2 15KVA*1
119	Gansu Datang gangu Power plant	300MW x 2	80KVA*2	148	Xinjiang Hami, dananhu power plant project	300MW x 2	80KVA*2
120	Fushun Power plant	300MW x 2	80KVA*2 15KVA*1	149	Xinzhongyi Power Co., Ltd	220MW+200MW	30KVA*1
121	Zhejiang Taizhou Power plant	300MW x 2	30KVA*2	150	Tianjin Huaneng green coal IGCC Power Plant Project	250MW x 1	100KVA*2 80KVA*1 15KVA*1
122	Heilongjiang Huadian Jiamusi Power plant	300MW x 2	80KVA*2 20KVA*1	151	Henan Dengfeng Thermal Power plant	210MW x 2	60KVA*2
123	Huaneng Hebei Shang'an Power plant	300MW x 2	30KVA*1	152	Neimenggu Menghuatai Power plant	200MW x 2	60KVA*2
124	Datang weihe power plant	300MW x 2	80KVA*2 15KVA*1	153	India LANJIGARH steam electric project	210MW	100KVA*1
125	Datang an'yang Thermal power plant	300MW x 2	300MW x 2	154	Shanxi Yao light coal electricity Co., Ltd	200MW x 2	80KVA*2 30KVA*1 15KVA*1
126	Shandong weiqiao lvdian Co., Ltd thermal power plant	300MW x 4	80KVA*4 30KVA*1 10KVA*1	155	Shenyang Shenhai Thermal power plant	200MW x 1	80KVA*1 15KVA*1
127	Huadian group hebei Shijiazhuang yuhua Thermal power plant	300MW x 2	80KVA*2	156	China Huadian Huangdao Power plant	200MW	30KVA*1
128	Hebei Xibaipo Power plant Rebuild Project	300MW x 2	80KVA*2	157	Yantai Power plant	200MW	30KVA*1 40KVA*6
129	Tongliao Huolinhe kengkou Power plant	300MW x 2	80KVA*2 10KVA*1	158	China Huaneng Nanjing Power plant	200MW x 1	40KVA*1
130	Shanxi Ruiguang Thermal Co.Ltd	300MW x 2	40KVA PR*2	159	Liaoning Qing he Power Co.,Ltd	200MW x 2	15KVA*2
131	Yichang East sunlight Co.Ltd thermal power plant	300MW x 2	40KVA PR*2	160	Shenyang Jinshan Terminal Co.,Ltd	200MW x 2	80KVA*2
132	Datang Huainan Luohe Power plant	300MW x 2	20KVA*1	161	Shenhua Haibowan Mining Power plant Project	200MW x 2	60KVA*2 10KVA*1
133	Jiangsu Xukuang comprehensive utilization Power Co.,Ltd	300MW x 2	80KVA*2 15KVA*1	162	Henan Yima environment Electricity Co.Ltd	155MW x 2	60KVA*2
134	BALCO coal-fired power plant project in India	300MW x 4	80KVA*8	163	Shandong Shouguang Thermal Power Development Co., Ltd. giant coal-fired units	155MW x 2	30KVA*1
135	Liaoning Diaobingshan coal power plant	300MW x 2	80KVA*2 20KVA*1	164	Tangshan Kailuan Shijiazhuang Kengkou Thermal power plant	150MW x 2	60KVA*2 20KVA*1
136	Datang Lei yang power plant	300MW x 2	50KVA	165	Shandong Zhongtai Electricity Co.Ltd	150MW x 4	40KVA*4
137	Huaneng Group Baiyanghe Power plant	300MW x 2	80KVA*2	166	Neimenggu Zhunneng Gandian Co.Ltd	150MW x 2	80KVA*1 60KVA*2 10KVA*1
138	Fujian Huadian Yong'an Power Co.,Ltd	300MW x 2	60KVA*2	167	Neimenggu Wuhai Haishen Thermal power plant	150MW x 2	60KVA*2 10KVA*1
139	Shanghai Electronic CO., LTD Wujing Thermal Power plant Rebuild Project	300MW x 2	80KVA*2	168	Neimenggu Huaning Thermal power plant	150MW x 2	60KVA*2
140	Guodian Yuci Thermal Power plant (2*300MW) Project	300MW x 2	80KVA*2	169	Gansu Jinchuan Group Co.Ltd	150MW x 2	10KVA*1
141	Datang International Zhangjiakou Thermal Power plant coal unit	300MW x 2	80KVA*2 10KVA*2	170	Indonesia Balawang Pulp mill	150MW x 1	30KVA*1
142	Hebei Matou Power plant heating projects	300MW x 2	80KVA*2	171	Xinjiang Fukang Power plant	150MW x 1	60KVA*2
143	Hebei Jiantou Xuanhua Thermal Power plant Project	300MW x 2	40KVA*1	172	Guizhou toubu Power plant	150MW x 2	60KVA*2
144	Xinjiang Manasi Power plant Three issue Project	300MW x 2	20KVA*1	173	Shandong Huatai Thermal power Co.Ltd	135MW x 1	20KVA*1
145	Guotou Qujing Power plant	300MW x 4	30KVA*2	174	Shandong Huasheng Jiangquan Thermal electricity Co.Ltd	135MW x 1	30KVA*1

Recent sales achievement - India

1	India Jhajar Power Plant Supercritical Coa-fired Units	660MW x 2	100KVA*4 40KVA*1
2	Supercritical Coa-fired Power Plant Project	660MW x 3	80KVA*1 100KVA*2 60KVA*2
3	India WPCCL 6x600MW Subcritical Coa-fired Power Plant Project	600MW x 6	20KVA*2 40KVA*2 25KVA*1
4	India BALCO Coa-fired Power Plant Project	300MW x 4	80KVA*8
5	India LANJIGARH Steam Electric Cogeneration Project	210MW x 2	100KVA*2
6	India GCW Power Plant	23MW x 4	10KVA*1

UPS model explanation



AVR model explanation

