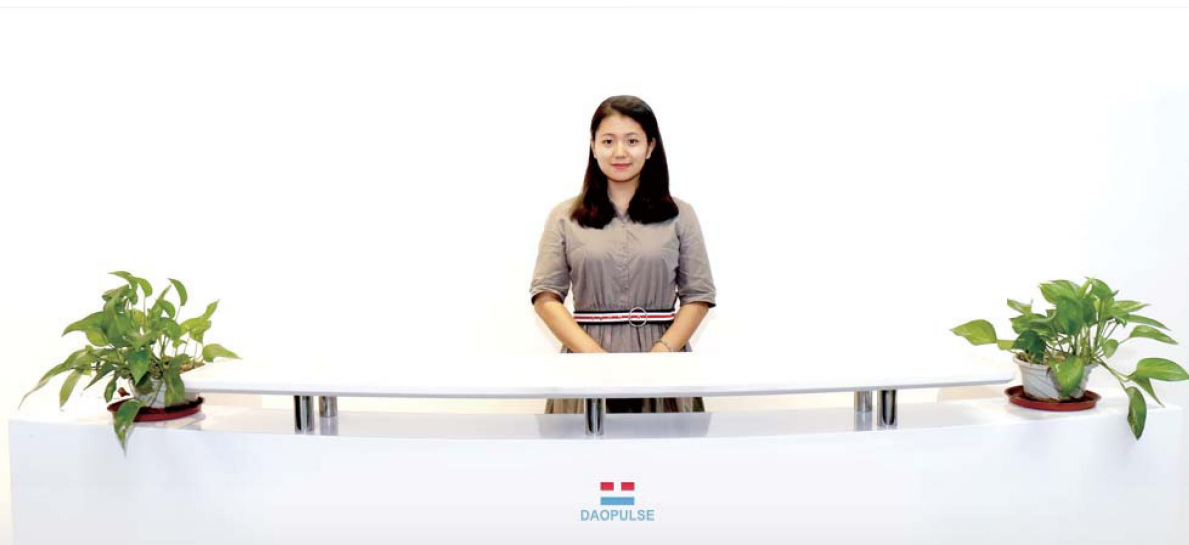


Uninterruptible Power Supply (UPS)

Professional. Quality. Pleasant



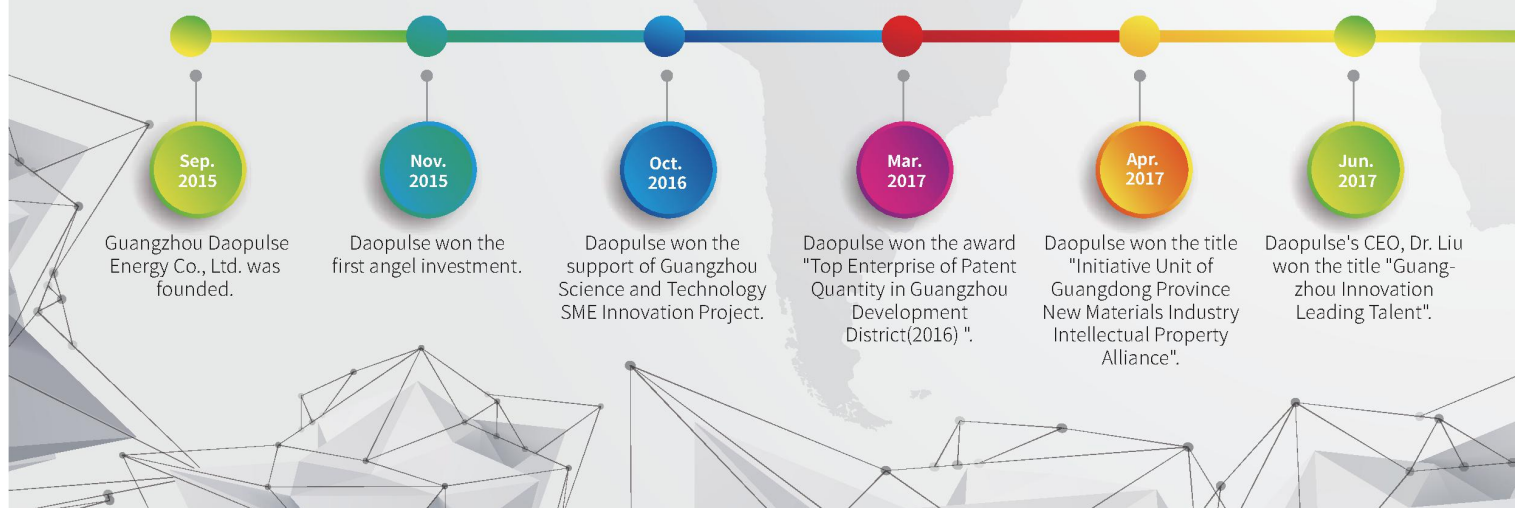
Guangzhou Daopulse Energy Co., Ltd.  
[www.daopulse.com](http://www.daopulse.com)



## Company Profile

Guangzhou Daopulse Energy Co., Ltd. , a National High-Tech Enterprise, is dedicated to next generation batteries and energy ecosystem, aiming to mitigate energy and environmental problems. The founding team consists of elite returnee talents, including its core member who is national well-known renewable energy expert. So far 50+ patents have been filed. The company' s products have won many prestigious awards, such as the First Place in the Energy Conservation and Environmental Protection of China Innovation & Entrepreneurship Competition (Guangzhou Division) 2017, and the Gold Medal for Community Entrepreneurs Cup of Guangdong Entrepreneurship and Innovation Competition 2017. China Huizhou District Innovation and Entrepreneurship Competition Military & Civilian Integration Professional Competition Third Prize and other awards.

## Company Process



Those who comply with Tao know the way  
Those who comply with De (the manifest of Tao) are real doers  
United with soul and power  
For others and then ourselves  
Keeping charge forward

To create value for the society  
To make everyone rich

Aug.  
2017

Daopulse won the Gold Prize in the Community Entrepreneurs Cup of Guangdong Entrepreneurship and Innovation Competition.

Sep.  
2017

Daopulse won the First Prize in the Energy Conservation and Environmental Protection of China Innovation & Entrepreneurship Competition (Guangzhou Division).

Nov.  
2017

Daopulse was awarded 'National High-Tech Enterprise'.

Nov.  
2017

Dr. Liu was named 'Guangzhou Development Zone Entrepreneur Leading Talent'.

Jan.  
2018

Dr. Liu, CEO of Daopulse, was awarded the title of "Guangzhou Development District Excellent Talents"

Aug.  
2018

The official website and online shop of Daopulse were launched.

## Company Certificates





## Application Scenarios

Daopulse has always focused on UPS R&D and production. The products are widely used in data centers, government, hospitals, financial institutions and other fields. To win customers' trust with professionalism, top quality and pleasant user experience.

Data Center



Government



Bank



Hospital



## Offline UPS

This small UPS provides comprehensive protection in a small and economic package. It is effectively against surge and spikes, and provides stable output with built-in AVR to protect personal computers and other small load devices.

### Characteristics:

1. Advanced and reliable microprocessor control technology.
2. Built-in up/down AVR provides more stable and reliable output.
3. In battery mode, it shuts down automatically after the discharge is complete, and turns on automatically when the grid power is back, which ensures optimal load power supply.
4. Compact structure design makes it more convenient for shipping and operation.
5. LED/LCD panel is optional to meet different customer needs.



## Specification

Model		DPO 400	DPO 600	DPO 800	DPO 1K	DPO 1.5K	DPO 2K
Capacity		400VA/240W	600VA/360W	800VA/480W	1KVA/600W	1.5KVA/900W	2KVA/1.2KW
Input	Rate voltage	220Vac single phase with ground					
	Voltage range	180~270Vac	140~290Vac	162~270Vac	140~290Vac	162~270Vac	
	Frequency	50/60Hz auto detect					
Output	Rate voltage	220Vac±10%					
	Frequency	BAT mode: 50Hz or 60Hz ±1Hz					
	Transfer time	2~6ms	4~8ms	2~6ms	4~8ms	2~6ms	
	Waveform	simulate sine wave					
Battery	Capacity*number	12V/4Ah*1	12V/7Ah*1	12V/9Ah*1	12V/7Ah*2	12V/9Ah*2	
	Recharge time	90% 4~6 h					
Standard UPS	Dimension D* W* H (mm)	279*101*142(LED) / 300*101*142(LCD)				320*130*182	
	Net weight (kg)	3.6	4.3	5.0	8.2	10.4	10.6
Environment	Temperature / Humidity	0°C~40°C; 20%-90%					
	Noise level	< 40dB					

## High frequency online single phase 1-10K UPS

### Characteristics:

1. True online double conversion high frequency UPS.
2. Advanced and reliable microprocessor control technology.
3. Wide input voltage range (110~300V).
4. Active input power factor control (PFC) with input power factor above 0.99.
5. LCD display interface for clearer and more intuitive visualization.
6. Compatible with generators.



### Specification

Model		DPH 1K	DPH 2K	DPH 3K	DPH 6K		DPH 10K	
Capacity		1KVA/800W	2KVA/1.6KW	3KVA/2.4KW	6KVA/4.8KW		10KVA/8KW	
Input	Voltage range	120~300Vac single phase with ground			110~300Vac single phase with ground			
	Frequency	50Hz/60Hz/auto adapt						
	Frequency range	40~70Hz			46~54Hz or 56~64Hz			
	Power factor	≥0.99 (full load)						
Output	Voltage/Accuracy	220Vac±1%						
	Power factor	0.8						
	Crest factor	3:1						
	Output THDV	linear load≤3%; non-linear load≤5%						
	Waveform	pure sine wave						
Transfer time		line↔BAT: 0ms; INV↔Bypass: ≤4ms				line↔BAT: 0ms; INV↔Bypass: 0ms		
Inverter efficiency		≥88%		≥90%	≥92%		≥93%	
Battery	Rate voltage	24V	48V	72V	default 192V (192/240V optional)			
	Battery number	2	4	6	default 16 (16/20 optional)			
	Charging current	standard UPS: 1A; long-time UPS: 4A						
Standard UPS	Dimension D * W * H (mm)	282*145*220	397*145*220	421*190*318	369*190*688 (6K 16 PCS) /442*190*688			
	Net weight (kg)	9.8	17	27.6	61(16 PCS)	74 (20 PCS)	66 (16 PCS)	76 (20 PCS)
Long time UPS	Dimension D * W * H (mm)	282*145*220	397*145*220		369*190*318		442*190*318	
	Net weight (kg)	4.1	6.8	7.4	12		16	

## High frequency online three-phase-in/single-phase-out 3/1 10-30K UPS

### Characteristics:

1. Double conversion high frequency online UPS
2. DSP control technology guarantees high system reliability.
3. Wide input voltage range (line voltage: 190~520V).
4. Frequency adaptive function: Automatically recognizes and adapts to the grid input frequency 50/60Hz.
5. In battery mode, it shuts down automatically after the discharge is complete, and turns on automatically when the grid power is back, which ensures optimal load power supply.
6. Compatible with generators.



### Specification

Model		DPH31 10K	DPH31 15K	DPH31 20K	DPH31 30K
Capacity		10KVA/8KW	15KVA/12KW	20KVA/16KW	30KVA/24KW
Input	Voltage range	half load: 190~520V <sub>ac</sub> ; full load: 305~520V <sub>ac</sub> ; three phase four wires with ground			
	Frequency	50Hz/60Hz/auto adapt			
	Power factor	≥0.99 (full load)			
	Frequency range	46~54Hz or 56~64Hz			
Output	Voltage/Accuracy	220V <sub>ac</sub> ±1%			
	Power factor	0.8			
	Crest factor	3:1			
	Output THDV	linear load≤3%; non-linear load≤5%			
	Waveform	pure sine wave			
Transfer time		line←BAT: 0ms; INV←Bypass: 0ms			
Efficiency		≥89%			
Battery	Rate voltage	default 192V (192/240V optional)			default 240V(216~240V adjustable)
	Battery number	default 16 (16/20 optional)			default 20 PCS (18~20 PCS adjustable)
	Charge current	4A			12A
Long time UPS	Dimension D * W * H (mm)	442 * 190 * 318		575 * 190 * 318	815 * 250 * 826
	Net weight (kg)	15	16	19	64



## High frequency online three-phase-in/three-phase-out 10-80K UPS

### Characteristics:

1. DSP control technology guarantees high system reliability.
2. High output power factor: 0.9.
3. Higher overall energy efficiency above 94% to lower O&M costs.
4. Three-stage charging to extend battery life.
5. Battery unit quantity adjustable: +/- 16~20.
6. N+X parallel redundancy is optional, and 3 units can be connected in parallel .
7. Parallel UPS units can share one battery pack.



### Specification

Model		DPH33 10K	DPH33 20K	DPH33 30K	DPH33 40K	DPH33 60K	DPH33 80K
Capacity		10KVA/ 9KW	20KVA/ 18KW	30KVA/ 27KW	40KVA/ 36KW	60KVA/ 54KW	80KVA/ 72KW
Input	Voltage range	half load: 190~520Vac; full load: 305~478Vac; three phase four wires with ground					
	Frequency range	46~54Hz or 56~64Hz					
	Power factor	1.0					
	Input THDV	≤4%					
Output	Voltage/Accuracy	380/400/415Vac±1%					
	Power factor	0.9					
	Crest factor	3:1					
	Output THDV	linear load≤2%; non-linear load≤4%					
	Overload time	100%-110%: 10min; 110%-130%: 1min; >130%: 1s					
Transfer time		line→BAT: 0ms; INV→Bypass: 0ms					
Efficiency		≥94%					
Battery	Battery number	+/- 16~20 PCS adjustable					
	Charge voltage	+/- 13.7V*N (N=16~20)					
	Charge current(max)	12A				24A	
Dimension D*W*H (mm)		592* 250*826		815*300*1000		790*360*1010	
Net weight (kg)		38	40	60	61	108	113

## High frequency online three-phase-in/three-phase-out 3/3 100-200K UPS

### Characteristics:

1. High-frequency online UPS with reliable DSP control technology.
2. Charging current can be adjusted via the LCD panel.
3. Higher overall energy efficiency above 94% to lower O&M costs.
4. Three-stage charging to extend battery life.
5. Battery unit quantity adjustable: +/- 16~20.
6. 2 UPS units can be parallel.
7. Parallel UPS units can share one battery pack.



### Specification

Model		DPH33 100K	DPH33 120K	DPH33 160K	DPH33 200K
Capacity		100KVA/ 90KW	120KVA/ 108KW	160KVA/ 144KW	200KVA/ 180KW
Input	Voltage range	320~460Vac; three phase four wires with ground			
	Frequency	40~70 Hz			
	Power factor	1.0			
	Input THDV	≤4%			
Output	Voltage/Accuracy	380/400/415Vac±1%			
	Power factor	0.9			
	Crest factor	3:1			
	Output THDV	linear load≤2%; non-linear load≤4%			
	Overload time	100%~110%: 1h; 110%~125%: 10min; 125%~150%: 1min; >150%: 200ms			
Transfer time		line←BAT: 0ms; INV←Bypass: 0ms			
Efficiency		≥94%			
Battery	Battery number	+/- 16~20 PCS adjustable			
	Charge voltage	+/- 13.7V*N (N=16~20)			
	Charge current (max)	24A	32A	40A	48A
Dimension D*W*H (mm)		940*567*1015		1040*567*1452	
Net weight (kg)		199	234	306	340

## Low frequency online single phase 6-10K UPS

### Characteristics:

1. Wide input voltage and frequency range fits for harsh grid environments.
2. Built-in bypass switch for easy maintenance.
3. Output isolation design suitable for complex grid and load environments.
4. Comprehensive anti-corrosion PCBA coating improves system stability in harsh environments.
5. Innovative cooling design gives the product a better heat dissipation.
6. 16 or 18 batteries are optional to better meet the different backup time requirements.
7. Flexible monitoring mode supports USB, RS232, SNMP card, web and other methods.



### Specification

Model		DPL 6K	DPL 7.5K	DPL 10K
Capacity		6KVA/ 4.8KW	7.5KVA/ 6KW	10KVA/8KW
Input	Rate voltage	220/230Vac single phase with ground		
	Voltage range	165~285Vac @ 16 PCS; 185~285Vac @ 18 PCS		
	Frequency range	45~55Hz or 56~64Hz		
Output	Voltage/Accuracy	220/230Vac ±1%		
	Power factor	0.8		
	Crest factor	3:1		
	Output THDV	linear load ≤3%; non-linear load ≤5%		
Dynamic Response		0→100%→0 linear load: ±5%; 20%→100%→20% linear load: ±3%		
Transfer time		line→BAT: 0ms; INV→Bypass: 0ms		
Efficiency		line: ≥88%; BAT: ≥92%		
Battery	Rate voltage	12V*N (N=16 or 18)		
	Battery number	16 or 18 PCS		
	Charge current	default 8A; (2A/4A/8A optional)		
Dimension D*W*H (mm)		562*250*830		
Net weight (kg)		62	78	86

## Low frequency online three-phase-in/single-phase-out 3/1 10-40K UPS

### Characteristics:

1. Double conversion online UPS has built-in output isolation transformer to adapt to various types of loads.
2. Advanced DSP control technology guarantees high system reliability
3. Battery unit quantity adjustable from 29 to 32.
4. Dual main inputs greatly reduces the risk of power outage.
5. Parallel operation up to 4 units.
6. Reverse phase operation and possible non-neutral input.
7. Industrial grade design for a variety of harsh environments.



### Specification

Model		DPL31 10K	DPL31 15K	DPL31 20K	DPL31 30K	DPL31 40K
Capacity		10KVA/ 8KW	15KVA/ 12KW	20KVA/ 16KW	30KVA/ 24KW	40KVA/ 32KW
Input	Rate voltage	380/400/415V <sub>ac</sub>				
	Voltage range	285~485V <sub>ac</sub> ; three phase with ground				
	Frequency range	46~54Hz or 56~64Hz				
Output	Voltage/Accuracy	220/230/240V <sub>ac</sub> ±1%(select)				
	Power factor	0.8				
	Crest factor	3:1				
	Output THDV	linear load≤2%; non-linear load≤5%				
	Dynamic response	0→100%→0 linear load: ±5%; 20%→100%→20% linear load: ±3%				
Transfer time		line↔BAT: 0ms; INV↔Bypass: 0ms				
Efficiency		≥89%			≥90%	
Battery	Rate voltage	384V				
	Battery number	default 32 PCS (29~32 PCS adjustable)				
	Charge current	default 10A (max charge current=capacity(kw)/BAT voltage (real time)),max 40A,5A@ full load)				
Dimension D*W*H (mm)		656*405*817				821*432*1159
Net weight (kg)		118	120	145	193	278

## Low frequency online three-phase-in/three-phase-out 3/3 10-60K UPS

### Characteristics:

1. Double conversion online UPS has built-in output isolation transformer to adapt to various types of loads.
2. Advanced DSP control technology guarantees high system reliability.
3. Intelligent battery management system effectively extends battery life.
4. Dual main inputs greatly reduces the risk of power outage.
5. Parallel operation up to 4 units.
6. Reverse phase operation and possible non-neutral input.
7. Industrial grade design for a variety of harsh environments.
8. Front maintenance design for convenient maintenance.



### Specification

Model		DPL33 10K	DPL33 15K	DPL33 20K	DPL33 30K	DPL33 40K	DPL33 60K	
Capacity		10KVA/ 8KW	15KVA/ 12KW	20KVA/ 16KW	30KVA/ 24KW	40KVA/ 32KW	60KVA/ 48KW	
Input	Rate voltage	380/400/415Vac						
	Voltage range	285~485Vac; three phase with ground						
	Frequency range	46~54Hz or 56~64Hz						
Output	Voltage/Accuracy	380Vac/400Vac±1%						
	Power factor	0.8						
	Crest factor	3:1						
	Output THDV	linear load≤2%; non-linear load≤5%						
	Dynamic response	0→100%→0 linear load: ±5%						
Transfer time		line→BAT: 0ms; INV→Bypass: 0ms						
Efficiency		≥89%		≥90%		≥91%		
Battery	Rate voltage	384V						
	Battery number	default 32 PCS (29~32 PCS adjustable)						
	Charge current	default 10A (max charge current=capacity(kw)/BAT voltage (real time),5A@ full load)						
Dimension D*W*H (mm)		656*405*817			656*405*941		821*432*1159	
Net weight (kg)		118	120	145	193	278	365	



## Low frequency online three-phase-in/three-phase-out 3/3 80-200K UPS

### Characteristics:

1. Double conversion online UPS has built-in output isolation transformer to adapt to various types of loads.
2. Advanced DSP control technology guarantees high system reliability.
3. Intelligent battery management system effectively extends battery life.
4. Dual main inputs greatly reduces the risk of power outage.
5. Parallel operation up to 4 units.
6. More communication interface: RS232, USB, SNMP card, web and so on.
7. Industrial grade design for a variety of harsh environments.



### Specification

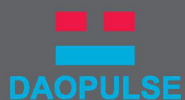
Model		DPL33 80K	DPL33 100K	DPL33 120K	DPL33 160K	DPL33 200K
Capacity		80KVA/ 64KW	100KVA/ 80KW	120KVA/ 96KW	160KVA/ 128KW	200KVA/ 160KW
Input	Voltage range	285~485Vac three phase four wires with ground				
	Frequency	50/60 Hz				
	Frequency range	46~54Hz or 56~64Hz				
Output	Voltage/Accuracy	380Vac/400Vac ±1%				
	Power factor	0.8				
	Crest factor	3:1				
	Output THDV	linear load ≤2%; non-linear load ≤5%				
	Dynamic Response	0→100%→0 linear load: ±5%				
Transfer time		line↔BAT: 0ms; INV↔Bypass: 0ms				
Efficiency		≥92%				
Battery	Rate voltage	384V				
	Battery number	default 32 PCS (29~32 PCS adjustable)				
	Charge current	default 10A (max charge current=capacity(kw)/BAT voltage (real time),5A@ full load)				
Dimension D*W*H (mm)		975*554*1286		975*635*1326	1051*705*1646	
Net weight (kg)		471	573	650	760	790

365-day full service  
pleasant user experience



[www.daopulse.com](http://www.daopulse.com)

*charge forward!®*



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