

DP Series

3~20KVA

Online UPS low frequency



Basic Features

- True online UPS with pure sine wave output, adopting double conversion online GBT technology is a compact size, low noise and durable goods.
- LCD display, choosing switch to refer to the UPS working conditions: Battery status, input/output voltage, input/output frequency, battery voltage, output power etc important specification.
- Input voltage range is very wide and able to work on the full load with 25% voltage changing, reducing the battery discharging to prolong the battery life.
- Charging current is adjustable from 1A to 10A to meet the requirement of long time charging of the power system.
- Special static switch design and UPS turns to bypass in 2 milliseconds when main fails.
- Strong load capability, overload 125%, turns to bypass after working 60 seconds online and restarts when overload removes.
- Short circuit protection avoids damaging the UPS caused by the short circuit of the load. Temperature control protection sets internal temperature to protect the components life. Besides, battery low voltage, output low voltage, and overload etc protections are provided.
- Strong startup function with load, being able to turn on directly on battery mode and providing power supply.

Specification

Model	DP3KVA	DP6KVA	DP10KVA	DP15KVA	DP20KVA
Capacity	2.4KW	4.8KW	8KW	12KW	16KW
Input Voltage	165~275VAC	165~275VAC or 295~475VAC			
Input Frequency	50Hz or 60Hz ± 5				
Output voltage	220VAC±1%				
Output frequency	50HZ±0.5%				
Voltage error	±2%				
Transient response	±4% (100% load)				
Wave distortion	THD<3% (linear load)				
Overload capacity	120%~125% last 60s; 150% full load last 500ms				
Peak wave ratio	3:1				
Battery type	Sealed free-maintenance lead-acid battery				
Charge characteristics	Intelligent battery management system and multi-mode charge improve battery reliability and prolong its life.				
DC voltage	96VDC	192VDC			
Charger	1~10A (adjustable)				
Efficiency	≥92%				
Transfer time	Main fails 0ms, bypass switch less than 2ms				
Protection function	Battery low voltage, overload, high temperature, output short circuit, output low voltage protections				
Electromagnetic radiation	10~100KHz at 40db, 100KHz~100MHz at70db				
Battery mode alarm	1 time 4 second keep 90s				
Battery low voltage alarm	1s/1 time (main fails, battery discharges fully, then shut down, resume main and start automatically)				
Overload alarm	Beep continuously (bypass after 60s, the decreasing load recover automatically)				
Defective alarm	Beep continuously				
LED display	Main input/bypass/inverter/low battery/overload/failure				
LCD display	UPS status: input/output/battery voltage, input/output freq., load capacity				
Interface	AC failure, low battery, open inverter in bypass, remote start intelligent software				
Work temperature	0~40℃				
Operation altitude	Elevation<1000m				
Humidity	20~90% (non-condensing)				
Noise	<58db in 1 meter distance				
Dimension(mm)	587×212×420	580×230×580	480×340×825	750×410×1100	
Weight (kg)	52	65	80	210	250

