

iDC SPower - 20-800kVA

A cost effective and yet practical double conversion online UPS



iDC SPower is a cost effective and yet practical three-phase double conversion online UPS with compact footprint, ranging from 20-800kVA, offering high efficiency, reliability, and flexibility.



Cost Effective

The compact footprint feature not only saves space but also reduces your operating costs



Efficiency

High efficiency to maintain the sustainability and reduce running costs



Green

A total environmentally friendly design with green element and longer battery lifetime



Reliability

High level of reliability and protection to minimize costly downtime and reduce repair time



Think it.
Plan it.
Own it.

Key Features

- Double Conversion online technology
- Power capacity: 20-200kVA per frame
- Parallel up to 4 frames and 800kVA
- Output power factor 0.9
- Optimized battery management and adjustable battery quantity
- Compact footprint
- Enhanced environmental adaptability design

Transformerless

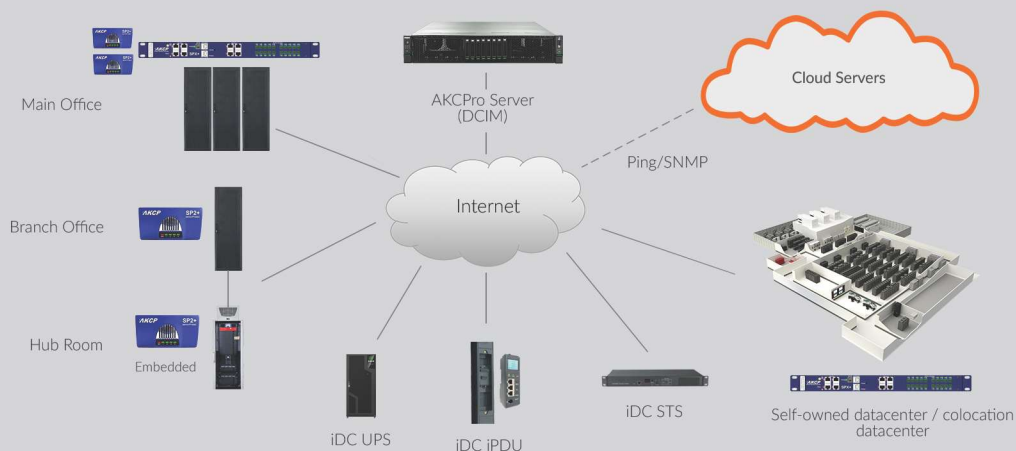


Typical Application

- Retail & hotel
- Construction
- Manufacturing
- Trading
- Financial services
- Government, NGO & utilities

DCIM Ready

Managing iDC UPS has never been more easier. Built-in template for monitoring real-time power consumption and operational status of iDC UPS has been engineered into our DCIM System which makes integration with DCIM System within seconds!



Think it.
Plan it.
Own it.

Technical Specification

Model	SP-OT-20K	SP-OT-30K	SP-OT-40K	SP-OT-60K	SP-OT-80K	SP-OT-100K	SP-OT-120K	SP-OT-160K	SP-OT-200K
Capacity									
Power rating kVA	20	30	40	60	80	100	120	160	200
Power rating kW	18	27	36	54	72	90	108	144	180
Input									
Topology	PWM, IGBT based								
Rated voltage	380Vac/220Vac (400/415Vac selectable)								
Voltage range	-45% ~ +25%, depends on load percentage								
Input power factor	0.99								
THD(i)	<3%								
Rated frequency	50/60Hz auto sensing								
Frequency range	42-72Hz								
Output									
Power factor	0.9								
Efficiency	Up to 94% in online mode; >98% in ECO mode								
Output voltage	380Vac/220Vac +/- 1% (400/415Vac selectable)								
Output frequency	50/60Hz								
Overload capacity	<105% continuous run; 105%-125% 10min; 150% 1min								
THDV	<2% for Linear load								
Unbalanced load	100%								
Crest factor	3:1								
Bypass									
Internal static switch	Standard								
Bypass voltage	380Vac (+/- 15%)								
Maintenance bypass switch	Standard								
Battery									
Battery type	VRLA								
Backup time	Varies from battery capacity and load situation								
Battery (pcs)	20-80kVA: 28-36pcs adjustable, 32pcs as default				100-200kVA: 36-40pcs adjustable, 40pcs default				
Recharge time	8 hours to 90%								
Communications									
Interface	RS232, USB, 2 Com slots, 3 Building alarm, EPO								
Com cards (optional)	SNMP/WEB, Modbus/Ethernet, AS400, NMC								
DCIM connection	Ready								
Environment									
Running temperature	UPS: 0-40°C; Battery: 25°C								
Storage	-25 ~ 55°C without battery; +15 ~ 25°C with battery								
Humidity	5% ~ 95%								
Elevation	No derating < 1000m								
Noise level	20kVA≤55 dBA@1 meter front side 60-120kVA≤65 dBA@1 meter front side		30-40kVA≤62 dBA@1 meter front side			100-120kVA: 600*800*1876		160-200kVA: 600*830*1876	
Dimension									
W*D*H (mm)	20-40kVA: 420*715*900			60-80kVA: 600*720*1200		100-120kVA: 600*800*1876		160-200kVA: 600*830*1876	
Compliance with standards									
Safety	IEC/EN 62040-1								
EMC	IEC/EN 62040-2								
Performance	IEC/EN 62040-3								
Quality	ISO90001, ISO14001								
Certification	CE								

*Due to continuous product improvement programs, specifications are subject to change without notice.



Think it.
Plan it.
Own it.

+852 2113 2968 | enquiry@iDCmini.com | www.iDCmini.com