

SCU UPS

DSP Series UPS

1KVA-20KVA

Wire in/out mode: 1/1, 1/3, 3/1, 3/3



DSP Series Rackmount UPS: High frequency On-line double conversion technology; Universal Rackmount and Tower model.
Parallel function: AC output can be connected in parallel. 1+1 redundancy in power module protects the users' data center.
Application field: High power density data center, bank, security, vending machines system, Telecom/VoIP, etc..
Function: clean and persistent power supply, safeguards key equipment and Apps against shutdown, data loss and process interruption caused by power failure.



- Universal Rackmount and Tower model; Rackmount DSP could be embedded in 19 inch standard cabinet.
- N+1 parallel connection is possible, redundant system ensures a more reliable power supply to the users' load.
- Intelligent fan speed regulation. System adjusts cooling and sends out alarm according to the temperature in the cabinet.
- Intelligent battery management. System controls equalisation and float charging, temperature compensation, discharge timing.
- Variety of intelligent communication. Remote monitoring and control , easy management, suitable for unattended operation.
- Variety of alarms. Real time visual alarm status available.
- Accurate performance via DSP control technology. Variety of protection functions. For example, AC over/under voltage, battery input over/under voltage, inrush current, over temperature, output overcurrent, short circuit protection, output over/under voltage, monitor alarm, audible and visual indication, remote notification, etc.

DSP11-1KVA/2KVA/3KVA

- Rated power: 1KVA/2KVA/3KVA
- Wire in/out mode: 1/1
- Rack mount and Tower
- L: external battery pack



DSP11-6KVA/10KVA

- Rated power: 6KVA/10KVA
- Wire in/out mode: 1/1
- Rack mount and Tower
- L: external battery pack

DSP-10KVA/15KVA/20KVA

- Rated power: 10KVA/15KVA/20KVA
- Wire in/out mode: 1/1, 1/3, 3/1, 3/3
- Rack mount and Tower:



Model	DSP11-1KVA	DSP11-2KVA	DSP11-3KVA	DSP11-6KVA	DSP11-10KVA	DSP-10KVA	DSP-15KVA	DSP-20KVA
Power	1KVA	2KVA	3KVA	6KVA	10KVA	10KVA	15KVA	20KVA
DC input								
Voltage	24VDC	48VDC	72VDC	192/240VDC		±240VDC		
Max charging current	6A			3A	5A	2A	3A	4A
battery	external battery							
AC input								
Input rated voltage	1 phase, 3 Wire, 220V/230V/240V					3 phases, 4 Wire, 380V/400V/415V		
Input voltage range	110-160 VAC at 50% load 160-280 VAC at 100% load			176 Vac~264Vac		304 Vac~456 Vac		
Input current harmonic	≤ 3% Rated input and linear load							
Input power factor	0.99 (100% linear load)							
Input frequency	40~70Hz							
Frequency Synchro range	±10%							
Frequency synchro rate	0.5~2Hz/s							
AC output								
AC output voltage	220Vac/230Vac/240Vac							
Output power factor	0.8							
Output active power	800W	1600W	2400W	4800W	8000W	8000W	12000W	16000W
Output frequency	50/60Hz							
Output frequency stability	±0.2			±0.1(battery power)				
Output THDU	3% (linear load)							
Output voltage accuracy	±2%							

Transient range	±5% (load changing 0% - 100% - 0%)							
Transient duration	20ms							
Peak factor	3:1 (rated input)							
Output delay at power-on	5~60s							
Overload	1min 125% rated load			5min 125% rated load		10min 125% rated load		
Overall efficiency	88%	89%	90%	92%	93%	≥93%		
Transfer time Bypass-Inverter	≤ 4ms					≤ 2ms		
parallel current unbalancedness	5% (> 50% load)							
Communication	RS232/USB / SNMP (optional)					RS232/RS485 / SNMP (optional)		
Others								
Mounting	Rackmount / tower							
Acoustic noise	≤50dB			≤55dB	≤58dB	≤58dB	≤58dB	≤58dB
MTBF	350000	350000	350000	100000h				
heat-dissipating method	Forced air cooling							
Protection level	IP20							
Enclosure material	Cladding aluminum galvanized , cold-rolled steel sheet, panel: plastic spraying processing							
Mounting	Rackmount							
Dimension W*D*H(mm)	310*438*88	410*438*88	410*438*88	430*622*88	430*622*88	430*622*132	430*622*132	430*622*132
Weight (kg)	9	12	14.2	17	17	25	25	25
Mounting	Tower							
Dimension W*D*H(mm)	282*145*220	397*145*220	394*145*220	190*369*318	190*369*318	132*622*430	132*622*430	132*622*430
Weight (kg)	4.1	6.8	7.4	12	16	25	25	25