Sinexcel

Modular UPS

Power Range: 40~600kVA



50kVA power module in 3U

High reliability

- Wide input voltage 138~485VAC allows UPS to work in harsh electrical environments to minimize battery use
- Dual control card and dual auxiliary power supply ensure continuous system operation and avoid single failure point
- Power module auto-offline function to avoid downtime caused by single power module failure
- Joint power mode to support inverter obtains power from mains input and batteries

High performance

- Super Eco mode, 99% efficiency + 2ms switching time
- High power module efficiency up to 97.5% and online dual operation efficiency up to 97% for significant energy cost savings
- High input power factor up to 0.99



Sinexcel modular UPS 300kVA

High power density

- 50kVA power module in 3U height, easy for capacity expansion

Fully modularized design

- Hot-swappable modular design, easy to replace the power module, reduce the mean time to repair (MTTR) close to zero without no downtime

Flexible energy storage configuration

- Compatible with battery and super capacitor
- The number of batteries can be selected from 30 to 50



Sinexcel modular UPS 600kVA

Specifications

MODEL		UPS 100	UPS 300	UPS 600
Rated capacity(kVA)		40~100	150~300	350~600
INPUT	Input Wiring	3Ph+N+PE		
	Rated Voltage	380/400/415Vac		
	Voltage Range	138~485V (linear derating between 138~305V)		
	Frequency Range	40~70Hz		
	Input Power Factor	0.99		
	Harmonic Distortion (THDi)	⩽3% (100% linear load)		
Bypass input	Bypass Rated Voltage	380/400/415Vac		
	Bypass Frequency	50/60Hz, depend on the load		
Battery	Rated Voltage	360~600Vdc (The number of batteries can be selected from 30 to 50; 40 batteries in default)		
OUTPUT	Output Voltage	380/400/415Vac		
	Voltage Regulation	±1%		
	Waveform	Sine wave		
	Crest Factor	3:1		
	Output frequency	Tracking the bypass input (Bypass mode); 50/60±0.5Hz (Battery mode)		
	Response Time	Online Mode response continuously; switching time of Super Eco Mode ⩽5ms, typical 2ms		
	Inverter Overload Capacity	110% overload for 60min 125% overload for 10min 150% overload for 1min		
	Harmonic Distortion (THDv)	⩽1% (linear load)		
		⩽3% (non linear load)		
SYSTEM	Output Power Factor	1		
	Efficiency	Super Eco Mode efficiency > 99%; Online Mode: Power module efficiency >97.5%, System efficiency > 97%		
	Bypass Overload Capacity	135% overload long time 150% to 200% overload for 5min 200% to 1000% overload for 1min >1000% overload 100ms		
	Communication	RS485, CAN, Ethernet, SNMP (optional), backfeed protection card (optional), WIFI (optional), 4G (optional), dry contacts (optional)		
Environment	Operating Temperature	-10~40°C		
	Storage Temperature	-40~70°C		
	Relative Humidity	0~95% non condensing		
	Audible Noise	60~75dB		
	Altitude	<1000m (over 1000m, derating rate based on EN/IEC 62040-3, max 4000m)		
Physical	Protection class	IP21 (can be customized)		
	Monitoring	7-inch LCD	12-inch LCD touch screen	
	Dimension (W*D*H, mm)	600×830×1207	600×830×2000	1400×980×2010
	Net weight (kg)	Approx. 280kg	Approx. 500kg	Approx. 1091kg
	Cabinet Color	RAL7035 (can be customized)		
Standards	Certification	TLC, CE (IEC/EN62040-1, IEC/EN62040-2), etc		