

APUS II series 20-200K



Key Features

- Output power factor 0.9
- Double conversion on-line topology
- Efficiency up to 94% in inverter mode
- Intelligent battery management
- Adjustable battery quantity
- Enhanced environmental adaptability design
- Compact footprint
- Parallel up to 4



Typical Application

- Data center
- Telecom
- Financial services
- Security and surveillance system
- Automatic control system
- Building management
- Manufacturing process control
- Petro Chemical Industry



The Sun Power Co.,Ltd.

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Model	APUS II	20KS	30KS	40KS	60KS	80KS
Capacity	Power rating KVA	20	30	40	60	80
	Power rating KW	18	27	36	54	72
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	20KS/30KS/40KS/60KS/80KS: 28-36 PCS adjustable, 32 PCS as default				
	Recharge time	8 hours to 90%				
Communication	Interface	RS232, USB, 2 Com slots, 3 Building alarm, EPO				
	Com cards (optional)	SNMP/WEB, Modbus/Ethernet, AS400, NMC				
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;30-40kVa≤62 dBA@1 meter front side; 60-120kVa≤65 dBA@1 meter front side;160-200kVa≤70 dBA@1 meter front side;				
Dimension	W*D*H (mm)	420*715*900			600*720*1200	
Regulation	Safety	IEC/EN 62040-1				
	EMC	IEC/EN 62040-2				
	Performance	IEC/EN 62040-4				
	Quality	ISO90001, ISO14001				
	Certification	CE				



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Model	APUS II	100KS	120KS	160KS	200KS
Capacity	Power rating KVA	100	120	160	200
	Power rating KW	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	100KS/120KS/160KS/200KS: 36-40 PCS adjustable, 40 PCS default			
	Recharge time	8 hours to 90%			
Communication	Interface	RS232, USB, 2 Com slots, 3 Building alarm, EPO			
	Com cards (optional)	SNMP/WEB, Modbus/Ethernet, AS400, NMC			
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;30-40kVa≤62 dBA@1 meter front side; 60-120kVa≤65 dBA@1 meter front side;160-200kVa≤70 dBA@1 meter front side;			
Dimension	W*D*H (mm)	600*800*1876		600*830*1876	
Regulation	Safety	IEC/EN 62040-1			
	EMC	IEC/EN 62040-2			
	Performance	IEC/EN 62040-4			
	Quality	ISO90001, ISO14001			
	Certification	CE			



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