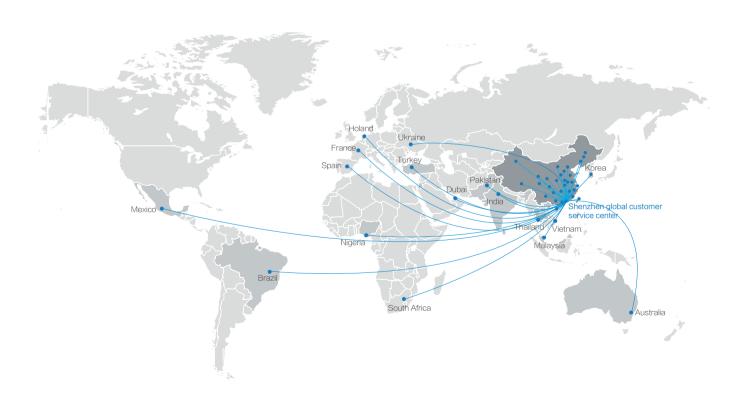
# **KSTAR**



HPM3300E Modular Series (40~60kVA)





### **COMPANY PROFILE**

Founded in 1993, Shenzhen KSTAR Science & Technology Co., Ltd (Stock Code: 002518) is a National Torch Plan Key High-tech Enterprise, and also a pioneer of UPS industry and a total solution provider for Data Center Critical Infrastructure & Photovoltaic Inverter Systems in Mainland China. KSTAR is fully committed to the R&D and has been providing high-quality products with full service to over 150 countries and regions worldwide, leading the industrial development with innovation.



ISO9001



ISO14001



OHSAS18001



IECQ QC080000



Glonal Service Network



7 × 24 Response and Support



31 Domestic Service Centers 172 Domestic Service Stations



National Customer Service Hotline: 400–700–9662



17 Overseas Technical Service Centers 40 Overseas Service Engineers













#### Modular design

- All units adopt modular design, including power module, bypass module, monitoring module, can be easily integrated
- Power module, Bypass module, Monitoring module, ECU control module, all these modules are hot-swappable

#### High reliability

- Wide input voltage range, line voltage range is 138-485V,
   UPS will derate to 40% when input voltage is below 305V
- UPS adopts multiple digital bus and redundancy parallel control system, making sure the whole system keep online if any single circuit fail
- · The UPS will keep on single or parallel working, if any module fail
- Thickened conformal coating, applicable for harsh environment such as high heat, high humidity, dust

#### Green and power saving

- · High input power factor, it is up to 0.99
- · 3-level topology design, efficiency is up to 96%
- · THDi < 3% (100% linear load)
- The UPS will work in sleeping mode when the load is very small

#### LBS function

· LBS function can realize 2 independent UPS system work in synchronization, and it enhances the reliability of the system

#### VRLA&Lithium battery supportable

· Compatible with VRLA or lithium battery

#### Parallel redundancy function

- · Support parallel expanded operation: maximum is 8 units
- · Support sharing batteries for the UPS in parallel

#### Strong load capability

- · Output power factor is 1.0, UPS can supply power to 100% unbalanced load
- · High adaptability for load, it can connect full inductive load or capacitive load

#### Intelligent management

- · With 7 inches (Standard) and 10 inches (Optional) colorful touch LCD screen
- · Support recording and exporting history logs and fault logs
- · Support SNMP, RS232, RS485, BMS, Dry contact interface
- $\cdot$  Support upgrading FW&SW on line
- · EPO & REPO function

#### Compatible with generator

 $\cdot$  Power Walk In function, it can reduce the start current impact to system, and it can reduce the capacity of generator

### HPM3300E Subrack Modular Series

Cabinet capacity						
Cabrier Losses   Cabr	Module Mod	del		HPM3300E-RM-10		
Module Model	Cabinet Mo	del		1		
Machical Model		,	10kVA~20kVA		10kVA~60kVA	
Module Model			2		6	
Cabinet Mode			Ζ		0	
Table   Tabl		-			1	
Module Model				I and the second	· ·	
Machine			15kVA~30kVA		15kVA~90kVA	
Cabinet Model			2		6	
20kVA - 80kVA   20kVA - 20kVA   20kV	Module Mod	del		HPM3300E-RM-20		
20kVA - 80kVA   20kVA - 20kVA   20kV	Cabinet Mo	del I	HPM3300F-40	HPM3300F-80	HPM3300F-120	
Module Model				I control of the cont	·	
Acabinet Model					201171 1201171	
Cabinet Mode    HPM3300E-50	Max. number		2	4	6	
25kWA - 50kWA   25kWA - 50kWA   25kWA - 10kWA   25kWA - 15kWA   25kWA - 15kW	Module Mod	del		HPM3300E-RM-25		
25kVA - 50kVA   25kVA - 10kVA   25kVA   6   4   6   6   6   6   6   6   6   6	Cabinet Mo	del I	HPM3300E-50	HPM3300E-100	HPM3300E-150	
Module Model				I control of the cont	·	
Module Mode    HPM3300E-RM-30	Module capac			25kVA		
Cabinet Model			2	'	6	
Sale	Module Mod	del		HPM3300E-RM-30		
Modula capacity   Sink   A					HPM3300E-150	
Name			30kVA~60kVA		30kVA~150kVA	
Section   Sect		city	2	JUKVA 1	5+1	
Departing voltage range   138 - 305/vac for 40% load; 305 - 485/vac for 100% load   20,99	INPUT		2	4	311	
Departing frequency range   20-lear frequency range   20-lear frequency   30-lear fr						
Age				% load		
Max. voltage: 220%: + 125% (Optional + 10%, + 15%, + 20%)   230%: + 23% (Optional + 10%, + 15%)   240%: + 15% (Optional + 10%)   240%: + 15% (10%)   240%: + 15		quority rungo				
2301: ±2076 (Optional + 10%, - 15% + 15%)	Harmonic dist	ortion (THDi)				
Sypass   Frequency range   Prequency protection range: ± 10%	Bypass voltag	je range	230V: +20% (Optional +10%, +15%) 240V: +15% (Optional +10%)			
Support   Support						
Sate	Power walk in					
Rated voltage		ut		Support		
Power factor				380/400/415Vac, (3Ph+N+PE)		
Dutput   Line mode   Equency   Bat. mode   Equency   Bat. mode   (50/60 ± 0.1Hz)			1.0			
Trequency   Bat. mode   (50/60 ± 0.1%)   Hz   3:1						
Crest factor   3:1						
### 180/192/204/216/228/240/252/264/276/288/300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs, 36pcs default, 36~50pcs output power factor 1.0, 32~34pcs output power factor 0.9, 30pcs output power factor 0.8)  #### 36~50pcs output power factor 1.0, 32~34pcs output power factor 0.9, 30pcs output power factor 0.8)  #### 36~50pcs output power factor 1.0, 32~34pcs output power factor 0.9, 30pcs output power factor 0.8)  #### 36~50pcs output power factor 1.0, 32~34pcs output power factor 0.9, 30pcs output power factor 0.8)  #### 36~50pcs output power factor 0.9, 30pcs output power factor 0.8)  #### 36~50pcs output power factor 0.9, 30pcs output power factor 0.8)  #### 36~50pcs output power factor 0.9, 30pcs output power factor 0.8)  ### 36~50pcs output power factor 0.9, 30pcs output power factor 0.9, 30pcs output power factor 0.9, 30pcs output power factor 0.8)  ### 36~50pcs output power factor 1.0, 32~34pcs output power factor 0.9, 30pcs output power factor 0.8)  ### 36~50pcs output power factor 1.0, 32~34pcs output power factor 0.9, 30pcs output power factor 0.8)  ### 36~50pcs output power factor 1.0, 32~34pcs output power factor 0.9, 30pcs output power factor 0.8)  ### 36~50pcs output power factor 1.0, 32~34pcs output power factor 0.9, 30pcs output power fac		Datimodo		` 3:1 ´		
### ### #############################		ortion (THDv)		•	d	
### 180/192/204/216/228/240/252/264/276/288/300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs, 36pcs default, 36~50pcs output power factor 1.0, 32~34pcs output power factor 0.9, 30pcs output power factor 0.8)  #### 180/192/204/216/228/240/252/264/276/288/300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs, 36pcs default, 36~50pcs output power factor 0.9, 30pcs output power factor 0.8)  ###################################	,			up to 95.8%		
Power module charge current  SYSTEM FEATURES Transfer time  Overload Invertermode Bypass mode  Overheat Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately  Low battery voltage  Self-diagnostics  Backfeed protection  EPO (Optional)  Battery  Noise suppression  Audible & visual alarms  Status LED & LCD display  Reading on the LCD display  Res232, RS485, Parallel, LBS, Dry contact port, Relay card (Optional), SNMP card (Optional), Battery temperature sensor (  ENVIRONMENTAL  Operating temperature  For any of the suppression  Altitude  Noise level  18A (Max.)  1		е				
Transfer time  Overload Inveter mode   ≤110% 60min, ≤125% 10min, ≤125% for long term; >100%, 100ms    Overload Bypass mode   Sypass mode   30°C: 135% for long term; 40°C: 125% for long term; >1000%, 100ms    Overheat   Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately    Alarm and Switch off    Self-diagnostics   Upon Power On and Software Control    Backfeed protection   Support    EPO (Optional)   Shut down UPS immediately (Turn to bypass optional)    Battery   Advanced Battery Management    Noise suppression    Advanced Battery Low, Overload, System Fault    Line Failure, Battery Low, Overload, System Fault    Line Mode, Bypass Mode, Battery Low, Battery Fault, Overload & UPS Fault    Input, Output, Battery, Command, Setting, Maintenance    RS232, RS485, Parallel, LBS, Dry contact port, Relay card (Optional), SNMP card (Optional), Battery temperature sensor (  ENVIRONMENTAL    Operating temperature    O° ~ 40°C    -25°C ~ 55°C    Humidity range    Altitude   Setting mediately (Non condensing)    Altitude   Setting mediately (Non			36~50pcs output power fa		pcs output power factor 0.8)	
Transfer time				18A (Max.)		
Overheat Overheat Overheat Displays mode Self-diagnostics Backfeed protection Byport EPO (Optional) Battery Self-diagnostics Backfeed protection Support EPO (Optional) Battery Advanced Battery Management Ocomplies with EN62040-3 Audible & visual alarms Line Failure, Battery Low, Overload, System Fault Status LED & LCD display Reading on the LCD display Reading on the LCD display Communication interface ENVIRONMENTAL Displays mode, Battery before mode, Bypass Mode, Battery, Command, Setting, Maintenance ENVIRONMENTAL Displays mode, Battery before mode, Bypass Mode, Battery Low, Battery Fault, Overload & UPS Fault Input, Output, Battery, Command, Setting, Maintenance ENVIRONMENTAL Displays mode, Battery before mode, Bypass Mode, Battery Low, Battery Fault, Overload & UPS Fault Communication interface ENVIRONMENTAL Displays mode, Battery before mode, Bypass Mode, Battery Low, Battery Fault, Overload & UPS Fault Communication interface ENVIRONMENTAL Displays mode, Battery before mode, Bypass Mode, Battery Low, Battery Fault, Overload & UPS Fault Communication interface ENVIRONMENTAL Displays mode, Battery before mode, Bypass Mode, Battery Low, Battery Fault, Overload & UPS Fault Communication interface ENVIRONMENTAL Displays mode, Battery Low, Overload, System Fault Communication interface ENVIRONMENTAL Displays mode, Battery Low, Overload, System Fault Communication interface ENVIRONMENTAL Displays mode, Battery Low, Overload, System Fault Communication interface ENVIRONMENTAL Displays mode, Battery Low, Overload, System Fault Communication interface ENVIRONMENTAL Displays mode, Battery Low, Overload, System Fault Communication interface ENVIRONMENTAL Displays mode, Battery Low, Overload, System Fault Communication interface ENVIRONMENTAL Displays mode, Battery Low, Overload, System Fault Communication interface ENVIRONMENTAL Displays mode, Battery Low, Ba		ATUILO		Utility to Battery: 0ms; Utility to Bypass: 0ms		
Bypass more Diverheat Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately Alarm and Switch off Self-diagnostics Self-diagnostics Support Support Support Support Shut down UPS immediately (Turn to bypass optional) Battery Advanced Battery Management Noise suppression Advanced Battery Management Complies with EN62040-3 Advalible & visual alarms Status LED & LCD display Reading on the LCD display Reading on the LCD display Communication interface ENVIRONMENTAL Deparating temperature Storage temperature  Or ~ 40°C Storage temperature  - 25°C ~ 55°C Humidity range Moise level  < 58dB	Overload					
Alarm and Switch off Self-diagnostics Self-diagnostics Upon Power On and Software Control Support EPO (Optional) Shut down UPS immediately (Turn to bypass optional) Advanced Battery Management Noise suppression Advanced Battery Management Complies with EN62040-3 Advanced Battery Management Complies with EN62040-3 Advanced Battery Management Line Mode, Bypass Mode, Battery Low, Overload, System Fault Line Mode, Bypass Mode, Battery Low, Battery Fault, Overload & UPS Fault Input, Output, Battery, Command, Setting, Maintenance Communication interface ENVIRONMENTAL Deprating temperature Storage temperature Torage temperature Storage temperature Torage tem		Bypass mode				
Support  Support  Support  Shut down UPS immediately (Turn to bypass optional)  Advanced Battery Management  Advanced Battery Management  Complies with EN62040-3  Audible & visual alarms  Line Failure, Battery Low, Overload, System Fault  Status LED & LCD display  Reading on the LC	Low battery voltage		Line Mode.			
Shut down UPS immediately (Turn to bypass optional)   Sattery	Self-diagnostics		Upon Power On and Software Control			
Advanced Battery Management  Noise suppression  Advanced Battery Management  Complies with EN62040-3  Adudible & visual alams  Status LED & LCD display  Reading on the LCD display  Reading on the LCD display  Communication interface  ENVIRONMENTAL  Deparating temperature  Storage temperature  Torage temperature  Advanced Battery Management  Complies with EN62040-3  Line Mode, Bypass Mode, Battery Low, Deatery Fault, Overload & UPS Fault  Input, Output, Battery, Command, Setting, Maintenance  RS232, RS485, Parallel, LBS, Dry contact port, Relay card (Optional), SNMP card (Optional), Battery temperature sensor (  O'C ~ 40'C  Storage temperature  -25'C ~ 55'C  -4umidity range  Aluttude  4 1500m, derating required when > 1500m  Noise level  4 62dB	•					
Noise suppression  Audible & visual alarms  Line Failure, Battery Low, Overload, System Fault  Status LED & LCD display  Reading on the LCD display  Communication interface  ENVIRONMENTAL  Deparating temperature  Humidity range  Altitude  Altitude  Complies with EN62040-3  Line Mode, Bypass Mode, Battery Low, Overload & UPS Fault  Input, Output, Battery, Command, Setting, Maintenance  RS232, RS485, Parallel, LBS, Dry contact port, Relay card (Optional), SNMP card (Optional), Battery temperature sensor (  Complies with EN62040-3  Line Failure, Battery Low, Overload, System Fault  Input, Output, Battery, Command, Setting, Maintenance  RS232, RS485, Parallel, LBS, Dry contact port, Relay card (Optional), SNMP card (Optional), Battery temperature sensor (  Complies with EN62040-3  Line Failure, Battery Low, Overload, System Fault  Deveload & UPS Fault  RS232, RS485, Parallel, LBS, Dry contact port, Relay card (Optional), SNMP card (Optional), Battery temperature sensor (  Communication interface  ENVIRONMENTAL  Or ~40°C  Commanda & UPS Fault  Comma	Battery					
Audible & visual alarms  Line Failure, Battery Low, Overload, System Fault  Line Mode, Bypass Mode, Battery Low, Battery Fault, Overload & UPS Fault  Reading on the LCD display  Communication interface  RS232, RS485, Parallel, LBS, Dry contact port, Relay card (Optional), SNMP card (Optional), Battery temperature sensor (  ENVIRONMENTAL  Deparating temperature  Clorage temperature  -25°C ~55°C  Humidity range  Altitude  41500m, derating required when >1500m  <62dB  46dB  46dB		ssion				
Reading on the LCD display  Communication interface  RS232, RS485, Parallel, LBS, Dry contact port, Relay card (Optional), SNMP card (Optional), Battery temperature sensor (  RS232, RS485, Parallel, LBS, Dry contact port, Relay card (Optional), SNMP card (Optional), Battery temperature sensor (  Or ~40°C  Storage temperature  -25°C ~55°C  Humidity range  0 ~95% (Non condensing)  Altitude  < 1500m, derating required when >1500m  < 62dB						
Communication interface  ENVIRONMENTAL  Deparating temperature  Unicond tyric range  Humidity range  Altitude  Noise level  RS232, RS485, Parallel, LBS, Dry contact port, Relay card (Optional), SNMP card (Optional), Battery temperature sensor (  0° ~ 40°  -25° ~ 55°  -25° (Non condensing)						

440×620×86mm (2U) 79kg

10kVA: 19kg; 15~30kVA: 21kg

Power module

W×D×H

Net weight

Safety

STANDARDS

IEC/EN 62040-1, IEC/EN 62477-1 IEC/EN 62040-2 (IEC 61000-2-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11) 1. Specifications are subject to change without prior notice

<sup>2.</sup> Data above are typical values for reference only, not as a basis for engineering design

## HPM3300E Subrack Modular Series

#### Technical Specifications:

Module Model	HPM3300	0E-RM-40	HPM3300E-RM-50		
Cabinet Model	I HPM3300E-80	HPM3300E-120	HPM3300E-100	HPM3300E-150	
Cabinet capacity	40kVA~80kVA	40kVA~120kVA	50kVA~100kVA	50kVA~150kVA	
lodule capacity		lkVA	50k		
1ax. number	2+1	3	2+1	3	
NPUT					
ominal voltage			ac, (3Ph+N+PE)		
perating voltage rang			305~485Vac for 100% load		
perating frequency ra	nge		~ 70Hz		
ower factor	ID.		0.99		
armonic distortion (Th	HDI)		6 linear load) 6 (Optional + 10%, + 15%, + 20%)		
			(Optional + 10%, + 15%, + 20%)		
Bypass voltage range			(Optional + 10%, + 15%)		
			onal - 10%, - 15% - 20%, - 30%)		
ypass frequency rand	IQ.		ction range: ±10%		
ypass frequency rang ower walk in	JC		oport		
enerator input			pport		
UTPUT					
ated voltage		380/400/415\/a	ac, (3Ph+N+PE)		
ower factor			.0		
oltage regulation			1%		
utput Line m	ode Synchronize with inpu	t, when the input frequency > ± 10%	$(\pm 1\%/\pm 2\%/\pm 4\%/\pm 5\% \text{ optional}),$	output 50/60 ( ± 0.1Hz)	
equency Bat. m	ode		0.1%)Hz	•	
rest factor					
			linear load; ≤3% with nonlinear load		
fficiency		up to	96%		
ATTERY					
attery voltage			: (30/32/34/36/38/40/42/44/46/48/50p	, , , , , , , , , , , , , , , , , , ,	
, ,			out power factor 0.9, 30pcs output po	wer factor 0.8)	
ower module charge co		20A	(Max.)		
YSTEM FEATURES ransfer time	5	Litility to Rotton a Omo	: Utility to Bypass: 0ms		
Inverter	mode <		, Other to Bypass. Ones % 1min, >150% 1.2s shut down inve	erter	
verload Bypass				, (0)	
verheat		30℃: 135% for long term; 40℃: 125% for long term; >1000%, 100ms Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately			
ow battery voltage		Alarm and Switch off			
elf-diagnostics		Upon Power On and Software Control			
ackfeed protection		Support			
PO (Optional)		Shut down UPS immediately (Turn to bypass optional)			
attery		Advanced Battery Management			
oise suppression		Complies with EN62040-3			
udible & visual alarms		Line Failure, Battery Low, Overload, System Fault			
tatus LED & LCD disp		Line Mode, Bypass Mode, Battery Low, Battery Fault, Overload & UPS Fault			
eading on the LCD di		Input, Output, Battery, Command, Setting, Maintenance			
ommunication interfac	ce RS232, RS485, Parallel, LBS	RS232, RS485, Parallel, LBS, Dry contact port, Relay card (Optional), SNMP card (Optional), Battery temperature sensor (Optional)			
NVIRONMENTAL perating temperature		0%	~40℃		
perating temperature torage temperature			~40C :~55℃		
umidity range			n condensing)		
titude		,	equired when > 1500m		
oise level	<56dB	< 58dB	<60dB	<62dB	
HYSICAL		. 3345	. 55 0.5	. 02.00	
mension UPS ca	hingt	405,000,000, (441)			
- · · · · · · · · · · · · · · · · · · ·			. ,	01	
et weight UPS ca		0		3kg	
Power n	nodule 32k	kg -	34kg		
ANDARDS		IEC/EN 62040 4	IEC/EN 62477-1		
Safety IEC/EN 62040-1, IEC/EN 62477-1 EMC IEC/EN 62040-2 (IEC 61000-2-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC			,	S IEC 61000 4 9 IEC 61000 4	
	IEC/EIN62040-2 (IEC 61000-2-2,	IEC/EN 62040-2 (IEC 61000-2-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11			

Specifications are subject to change without prior notice
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#### Technical Specifications:

Module Model		HPM3300E-RM-40	HPM3300E-RM-50	HPM3300E-RM-60
Cabinet Model	1	HPM3300E-80/120/200/320	HPM3300E- 200/250/300/400/500/600/800/1000	HPM3300E-300/600/840/1080/1200
Cabinet capacity		80kVA~320kVA	200kVA~1000kVA	300kVA~1200kVA
Module capacity		40kVA	50kVA	60kVA
Max. number		2/3/5/8	4/5/6/8/10/12/16/20	5/10/14/18/20
INPUT				
Nominal voltage			380/400/415Vac, (3Ph+N+PE)	
Operating voltage	e range	13	8~305Vac for 40% Load; 305~485Vac for 100% Load;	oad;
Operating frequer	ncy range	40Hz-70Hz		
Power factor		≥0.99		
Harmonic distortion	on (THDi)	≤3% (100% Linear load)		
Bypass voltage range			IX. voltage: 220V: +25% (Optional +10%, +15%, - 230V: +20% (Optional +10%, +15%) 240V: +15% (Optional +10%) /Iin. voltage: -45% (Optional -10%, -15%, -20)	,
Bypass frequency	y tracking range	±10%		
Power walk in		Support		
Generator input		Support		
OUTPUT				
Rated voltage			380/400/415Vac, (3Ph+N+PE)	
Power factor		1.0		
Voltage regulation			±1%	
	Line mode	Synchronize with input, when the	e input frequency $> \pm 10\% (\pm 1\%/\pm 2\%/\pm 4\%/\pm 5\%)$	6 optional), output 50/60 (±0.1Hz)
	Bat. mode	(50/60±0.1%)Hz		
Crest factor			3:1	
Harmonic distortion (THDv)		≤2% with linear load; ≤4% with nonlinear load		
Efficiency			Up to 96%	

#### Power module charge current SYSTEM FEATURES

**BATTERY** 

Battery voltage

Transfer time		Utility to Battery: 0ms; Utility to bypass: 0ms		
Overload	Inverter mode	≤110% 60min, ≤125% 10min, ≤150% 1min, >150% 1.2s shut down inverter		
	Bypass mode	30℃: 135% for long term; 40℃: 125% for long term; >1000%, 100ms		
Overheat		Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately		
Low battery volt	age	Alarm and Switch off		
Self-diagnostics		Upon Power On and Software Control		
Backfeed protection		Support		
EPO (Optional)		Shut down UPS immediately (Turn to bypass optional)		
Battery		Advanced Battery Management		
Noise suppression		Complies with EN62040-3		
Audible & visual alarms		Line Failure, Battery Low, Overload, System Fault		
Status LED & LCD display		Line Mode, Bypass Mode, Battery Low, Battery Fault, Overload & UPS Fault		
Reading on the LCD display		Input, Output, Battery, Command, Setting, Maintenance		
Communication interface		RS232, RS485, Parallel, LBS, BMS, Dry contact port, Relay card (Optional), SNMP card (Optional), Battery temperature sensor (Optional)		

360Vdc~600Vdc

VRLA / Li 20A (Max.)

#### ENVIRONMENTAL

Operating temperature	0℃~40℃		
Storage temperature	-25℃ ~55℃		
Humidity range	0~95% (Non condensing)		
Altitude	<1000m, derating required when >1000m		
Noise level	<66dB	<73dB	

#### PHYSICAL

Dimension W×D×H	UPS cabinet (S/F)	80/120kVA: 600 × 850 × 1200mm 200/320kVA: 600 × 850 × 2000mm	200/250/300/400kVA: 600 × 850 × 2000mm 500/600kVA: 1200 × 850 × 2000mm 800/1000kVA: 2000 × 850 × 2000mm	300kVA: 600 × 850 × 2000mm 600kVA: 1200 × 850 × 2000mm 840/1080kVA: 2000 × 850 × 2000mm 1200kVA: 2200 × 850 × 2000mm
	Power module		440 × 620 × 130mm	
Net weight	UPS cabinet	80kVA: 155kg; 120kVA: 165kg; 200kVA: 270kg; 320kVA: 290kg	200kVA: 270kg; 250kVA: 280kg; 300kVA: 290kg; 400kVA: 310kg; 500kVA: 650kg; 600kVA: 720kg; 800kVA: 980kg; 1000kVA: 1080kg	300kVA: 290kg; 600kVA: 720kg; 800kVA: 980kg; 1080kVA: 1080kg; 1200kVA: 1200kg
	Power module	33ka	34ka	35ka

#### STANDARDS

Safety	IEC/EN 62040-1, IEC/EN 62477-1
EMC	IEC/EN 62040-2 (IEC 61000-2-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11)

S: Without or only with one maintenance bypass breaker
F: With mains, bypass, maintenance bypass and output breakers
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