



START T20 – Modular

6~1560kVA

1:1 T20 1106 / T20 1110

3:1 T20 3106 / T20 3110

T20 3310 / T20 3315 / T20 3320 / T20 3325 /

T20 3330 / T20 3340 / T20 3352 / T20 3380 /

T20 33104 / T20 33156



UPS Cabinet Control Panel



Module Control Panel

Features

- High frequency and double conversion on-line technology
- Advanced PFC technology
- 3U frame, rack-mounted and tower convertible
- EPO function
- Wide input voltage range
- Fully digitized microprocessor control
- Parallel redundancy
- Advanced battery management
- Lightning and surge protection, short circuit and overload protection
- Multilingual LCD and LED display
- EMI/RFI noise filter
- Smart RS232 communication with monitoring software
- Optional SNMP card slot

single module(3U)



6kVA / 10kVA 1:1 phase
6kVA / 10kVA 3:1 phase



10kVA / 15kVA / 20kVA / 25kVA
/ 30kVA 3:3 phase



40kVA 3:3 phase



Battery Cabinets(Optional)



3 U Battery Box Optional



Technical Specifications:

MODEL		T20-1106-30KVA	T20-1110-50KVA	T20-3106-30KVA	T20-3110-50KVA	T20-3110-100KVA	T20-3320-60KVA	T20-3320-100KVA	T20-3320-200KVA
Capacity (VA/watts)	UPS cabinet	6~30k / 4.8~24k	6~50k / 4.8~40k	6~30k / 4.8~24k	6~50k / 4.8~40k	6~100k / 4.8~80k	10~60k / 9~54k	10~100k / 9~90k	10~200k / 9~180k
	HPM module	6k / 4.8k, 10k / 8k					10k / 9k, 15k / 13.5k, 20k / 18k		
INPUT									
Nominal voltage		220/230Vac		380/400Vac (3Ph+N+PE)or 220/230Vac			380/400/415Vac, (3Ph+N+PE)		
Operating voltage range		120~276Vac		208~478Vac or 120~276Vac			208~478Vac		
Operating frequency range		40~70Hz							
Power factor		≥0.99							
Bypass voltage range		Max.voltage: 220V +25%(optional +10%,+15%,+20%) 230V 20% (optional +10%,+15%) 240V 15%(optional +10%)							
		Min. voltage: -45% (optional -20%,-30%)							
		Frequency protection range: ±10%							
Harmonic distortion (THDi)		5%(100% non-linear load)					2%(100% nonlinear load)		
Generator input		Support							
OUTPUT									
Output voltage		220/230Vac					380/400/415Vac, (3Ph+N+PE)		
Voltage regulation		±1%							
Power factor		0.8					0.9/1 (Customized)		
Output frequency		1.Line Mode: ±1%、±2%、±4%、±5%、±10% of the rated frequency (optional)							
		2.Battery Mode: (50/60 ± 0.1%)Hz							
Crest factor		3:1							
Harmonic distortion (THDv)		≤2% with linear load							
		≤5% with non linear load							
Efficiency		93.5%					95.5%		
BATTERY									
Battery voltage		± 96\ ± 108\ ± 120Vdc; battery quantity(optional)					± 192\ ± 204\ ± 216\ ± 228\ ± 240Vdc; battery quantity(optional)		
Charge Current	UPS cabinet	30A (Max.)	60A (Max.)	30A (Max.)		60A (Max.)	18A (Max.)	30A (Max.)	60A (Max.)
	HPM module	6A (Max.) (charge current can be set according to battery capacity installed)							
Backup time		Depends on the capacity of external batteries							
SYSTEM FEATURES									
Transfer time		Utility to Battery : 0ms; Utility to bypass: 0ms							
Overload	Line Mode	Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, ≥150% turn to bypass mode immediately							
	Bat. Mode	Load≤110%: last 30S, ≤125%: last 1S, ≤150%: last 200ms, ≥150% shut down UPS immediately					Load≤110%: last 10min, ≤125%: last 1min, ≤150%: last 1S, ≥150% shut down UPS immediately		
	Bypass Mode	Breaker (6kVA:40A / 10kVA:60A)					Breaker (10kVA: 20A / 15kVA: 32A / 20kVA:40A)		
Short circuit		Hold whole system							
Noise suppression		Complies with EN62040-2							
Communication interface		1. UPS cabinet : RS232, RS485, Dry Contact, Intelligent slot x 2(SNMP card,Relay card optional)							
		2. HPM series UPS module: RS232							
ENVIRONMENTAL									
Operating temperature		0 ~ 40℃							
Storage temperature		-25 ~ 55℃							
Humidity range		0 ~ 95% (non condensing)							
Altitude		<1500m							
Noise level		<55dB					<65dB		
PHYSICAL									
Dimension D × W × H (mm)	UPS cabinet	840 × 600 × 1400	840 × 600 × 2000	840 × 600 × 1400		840 × 600 × 2000	840 × 600 × 1400		1100 × 600 × 2000
	HPM module	443x580x131 (3U)							
Net weight (Kg)	UPS cabinet	138	150	138	150	213	149	152	290
	HPM module	6kVA/23; 10kVA/25					10kVA/26; 15kVA/30; 20kVA/31		
STANDARDS									
Safety		IEC/EN62040-1,IEC/EN60950-1							
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4, IEC61000-4-5,IEC61000-4-6,IEC61000-4-8							

Specifications are subject to change without prior notice.



Technical Specifications:

MODEL	UPS cabinet	T25-0330-22.5kVA	T25-0330-30kVA	T15-0130-15kVA	T15-0130-20kVA	T20-0300-10kVA	T20-0300-15kVA	T20-0300-20kVA	T20-0300-25kVA	T20-0300-30kVA	T20-0300-35kVA	T20-0300-40kVA	T20-0300-45kVA	T20-0300-50kVA	T20-0300-55kVA	T20-0300-60kVA	T20-0300-65kVA	T20-0300-70kVA	T20-0300-75kVA	T20-0300-80kVA	T20-0300-85kVA	T20-0300-90kVA	T20-0300-95kVA	T20-0300-100kVA
Capacity (VA/watts)	HPM module	25k / 22.5k	25k / 22.5k, 30k / 27k					40k / 36k																
INPUT																								
Nominal voltage		380 / 400 / 415Vac, (3Ph+N+PE)																						
Operating voltage range		208~478Vac																						
Operating frequency range		40~70Hz																						
Power factor		≥0.99																						
Bypass voltage range		Max.voltage: 220V +25%(optional +10%,+15%,+20%) 230V 20% (optional +10%,+15%) 240V 15%(optional +10%) Min. voltage: -45% (optional -20%,-30%) Frequency protection range: ±10%																						
Harmonic distortion (THDi)		3%(100% nonlinear load)																						
Generator input		Support																						
OUTPUT																								
Output voltage		380/400/415Vac, (3Ph+N+PE)																						
Voltage regulation		±1%																						
Power factor		0.9																						
Output frequency		1.Line Mode: ±1%、±2%、±4%、±5%、±10% of the rated frequency (optional) 2.Battery Mode: (50/60±0.1%)Hz																						
Crest factor		3:1																						
Harmonic distortion (THDv)		≤2% with linear load ≤5% with non linear load																						
Efficiency		95.0%																						
BATTERY																								
Battery voltage		±192\±204\±216\±228\±240Vdc; battery quantity(optional)																						
Charge Current	UPS cabinet	60A (Max.)	30A(Max.)	50A(Max.)	100A(Max.)	50A(Max.)	80A(Max.)	100A(Max.)	130A (Max.)	200A (Max.)	320A (Max.)	390A (Max.)												
	HPM module	6A (Max.)	25kVA:6A (Max.) / 30kVA:10A (Max.)					10A (Max.)																
Backup time		Depends on the capacity of external batteries																						
SYSTEM FEATURES																								
Transfer time		Utility to Battery : 0ms; Utility to bypass: 0ms																						
Line Mode		Load≤110%: last 60min,≤125%: last 10min,≤150%: last 1min,≥150% turn to bypass mode immediately																						
Overload	Bat. Mode	Load≤110%: last 10min,≤125%: last 1min,≤150%: last 1s, ≥150% shut down UPS immediately					Load≤110%: last 60min,≤125%: last 10min,≤150%: last 1min, ≥150% shut down UPS immediately																	
	Bypass Mode	Breaker (25kVA:40A)	Breaker (25kVA:40A / 30kVA:60A)					40kVA:95A																
Short circuit							Hold whole system																	
Nose suppression		Complies with EN62040-2																						
Communication interface		1. UPS cabinet : RS232, RS485, Dry Contact, Intelligent slot x 2(SNMP card,Relay card optional) 2. HPM series UPS module: RS232																						
ENVIRONMENTAL																								
Operating temperature		0 ~ 40℃																						
Storage temperature		-25 ~ 55℃																						
Humidity range		0 ~ 95% (non condensing)																						
Altitude		<1500m																						
Noise level		<70dB					<65dB	<70dB	<73dB															
PHYSICAL																								
Dimension	UPS cabinet	600×1100×2000	600×840×1400			600×1100×2000	600×860×1600	600×860×2000	1200×860×2000			3400×860×2000			4800×1100×2000									
D×W×H (mm)	HPM module	443x580x131 (3U)																						
Net weight (Kg)	UPS cabinet	290	158	170	307	249	312	514			1200	1400	2800											
	HPM module	32	25kVA/32; 30kVA/33.5					34																
STANDARDS																								
Safety		IEC/EN62040-1,IEC/EN60950-1																						
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4, IEC61000-4-5,IEC61000-4-6,IEC61000-4-8																						

Specifications are subject to change without prior notice.



✉ ventas@kdk-argentina.com
☎ 11 6252 5194
☎ 11 7078 0939

➔ José Marín 2750, Sáenz Peña (B1674AKD)
Partido de Tres de Febrero
Buenos Aires, Argentina
Lunes a viernes, 8:30 a 17:30 hs.