



Technical Specifications

CAPACITY	1kVA / 0.8kW	1.5kVA / 1.2kW	2kVA / 1.6kW	3kVA / 2.4kW	
DC INPUT					
Rated voltage	24V	36 V (S), 48 V (H)	48V		
DC input range (default)	20 - 30 V	30 - 45 V(S), 40 - 60 V(H)	40 - 60 V		
AC INPUT					
AC input range (bypass mode)	0 - 242 V / 264 V / 267 V / 288 Vac for 200 V / 220 V / 230 V / 240 VAC ± 10 Vac				
AC input range (mains mode)	200 V: 145 - 260 Vac 220 V: 165 - 280 Vac 230 V: 175 - 290 Vac 240 V: 185 - 300 Vac				
Frequency input range	50 Hz / 60 Hz(auto-sense), 50Hz / 60 Hz ± 5% - 15%				
Generator connection	Available (generator input power is settable)				
OUTPUT					
Inverter output range	200 V / 220 V / 230 V / 240 Vac ± 5%(settable)				
AC output range(bypass mode)	0 - 242 V / 264 V / 276 V / 288 Vac for 200 V / 220 V / 230 V / 240 Vac ± 10Vac				
AC output range(mains mode)	200 V: 166 - 226 Vac 220 V: 188 - 245 Vac 230V:199-254Vac 240 V: 210 - 264 Vac				
Output frequency	50 / 60 Hz ± 0.3 Hz (settable)				
Waveform	Pure sine wave				
Inverter efficiency	Max.80%		Max.85%		
Energy saving mode	settable (<3% load), enter in 80 s				
No-load shutdown	settable (<3% load), shutdown in 80 s				
Transfer time	≤ 10 ms				
THDV(resistive load)	≤ 5 %				
Protections	Overload, short circuit (inverter), battery low voltage, battery overcharge, overtemperature				
Overload time (mains mode)	120 s for 110%, 60 s for 125%, 10 s for 150% (transfer to bypass mode)				
Overload time (inverter mode)	60 s for 110%, 10 s for 125%, 5 s for 150% (shutdown directly)				
Mute	Automatic mute in 60 s or by manual				
BATTERY					
Battery capacity(1c, external expansion)	12 V / 7 Ah × 2	12V / 9Ah × 2	12V/9Ah×3 (1c, 12V×4)	12V / 9 Ah × 4	
	Standard mode(S): 1A (default)				
Charging current	Long time mode(L): 10A (default), ≥ 10A, set step 1 A; ≥ 10A, set step 5 A				
	Max. 15 A (H)	/	Max. 20 A (H)	Max. 25 A (H)	
Equalizing charge voltage	Single battery 14.1 Vdc (default), 13.6 - 15 Vdc adjustable				
Floating charge voltage	Single battery 13.5 Vdc (default), 13.2 - 14.6 Vdc adjustable				
low voltage alarm point	Single battery 10.8 Vdc (default), 9.6 - 13 Vdc adjustable				
low voltage shutdown point	Single battery 10.2 Vdc (default), 9.6 - 11.5 Vdc adjustable				
COMMUNICATIONS					
USB-RJ45	Supports Windows98 / 2000 / 2003 / XP / Vista / 2008 / 7 / 8 / 10				
SNMP (optional)	Power management from SNMP manager and web browser (standard with slot)				
OTHERS					
Operating temperature	5°C - 40°C				
Operating humidity	Relative humidity ≤ 93%				
Noise level	≤ 50 dB(1M)				
Tower	Dimensions(w × d × h,mm)	144×345×215	144×410×215(S) 144×345×215(H)	190×467×335.5	
	Packaged dimensions(w × d × h,mm)	236×427×316	236×492×316 (S) 236×427×316(H)	320×592×462	
	Net weight(kg)	12.2(S) 11.6(H)	14.2(S)	18.5(S) 17.8(H)	28.1(S) 28.0(H)
	Gross weight(kg)	13.2(S) 12.6(H)	16.2(S)	19.6(S) 18.6(H)	30.2(S) 30.0(H)
	Dimensions(w × d × h,mm)	440 × 338 × 88 (S)		440 × 410 × 132 (S)	
Rack mount	Packaged dimensions(w × d × h,mm)	611 × 448 × 208 (S)		611 × 505 × 235 (S)	
	Net weight(kg)	14.6(S)	17.3(S)	21.3(S)	26.7(S)
	Gross weight(kg)	16.8(S)	20.4(S)	24.5(S)	30.5(S)

S=Standard Model
H=Long Time Model



Trust Pure Sine Wave / Line Interactive UPS 1kVA-3kVA

مناسب برای

مخابرات
فرودگاه ها
مراکز اداری تجاری
آژانس های هواپیمایی
سیستم های صوتی و تصویری
روشنایی (متناسب با توان دستگاه)
سیستم های امنیتی و دوربین های مدار بسته

سیستم های حفاظتی

محافظت در برابر نوسانات برق شهر
محافظت در برابر اتصال کوتاه
محافظت در برابر تخلیه غیر مجاز باتری
محافظت در برابر افزایش دما
محافظت در برابر ولتاژ شارژ بالاتر از حد مجاز باتری
محافظت در برابر افزایش دما
محافظت از خط تلفن / فکس / مودم شبکه
محافظت در برابر افزایش دما بیش از حد مجاز

ویژگی ها

توان 1000, 1500, 2000, 3000VA
ساختار Line interactive
مدار تثبیت کننده ولتاژ (AVR)
تشخیص خودکار فرکانس (50-60Hz)
نمایشگر LCD و آلارم صوتی
روشن شدن با باتری در نبود برق شهر (Cold Start)
مدیریت هوشمند باتری ABM
مدت زمان پشتیبانی (Back up) طولانی
پورت (SNMP, USB) انتخابی
شکل موج کاملاً سینوسی
ضریب توان خروجی 0/8
درای حالت عملکرد ECO و No-load Shutdown
قابل تنظیم

Technical Specification

Technical Specification						
Capacity	500 VA / 300 W	1000 VA / 800 W	1500 VA / 1200 W	2000 VA / 1600 W	3000 VA / 2400 W	
DC INPUT						
Rated voltage	12 V	24 V	36 V (S) 48 V (H)	48 V		
DC input range (default)	10 ~ 15V	20 ~ 30 V	30 ~ 45V(S) 40 ~ 60V(H)	40 ~ 60 V		
AC INPUT						
AC input range (bypass mode)	0 ~ 121 V / 132 V / 138 V / 144 Vac for 100 V / 110 V / 115 V / 120 Vac \pm 10 Vac 0 ~ 242 V / 264 V / 276 V / 288 Vac for 200 V / 220 V / 230 V / 240 Vac \pm 10 Vac					
AC input range (mains mode)	100 V: 70 ~ 130 Vac 110 V: 80 ~ 140 Vac 115 V: 85 ~ 145 Vac 120 V: 90 ~ 150 Vac 200 V: 145 ~ 260 Vac 220 V: 165 ~ 280 Vac 230 V: 175 ~ 290 Vac 240 V: 185 ~ 300 Vac					
Frequency input range	50 Hz / 60 Hz (auto-sense), 50 Hz / 60 Hz \pm 5% ~ 15%					
Generator connection	Available (generator input power is settable)					
OUTPUT						
Inverter output range	100 V / 110 V / 115 V / 120 / 200 V / 220 V / 230 V / 240 Vac \pm 5% (settable)					
AC output range (bypass mode)	0 ~ 121 V / 132 V / 138 V / 144 Vac for 100 V / 110 V / 115 V / 120 Vac \pm 10 Vac 0 ~ 242 V / 264 V / 276 V / 288 Vac for 200 V / 220 V / 230 V / 240 Vac \pm 10 Vac					
AC output range (mains mode)	100 V: 90 ~ 110 Vac 110 V: 99 ~ 121 Vac 115 V: 103 ~ 126 Vac 120 V: 108 ~ 132 Vac 200 V: 166 ~ 226 Vac 220 V: 188 ~ 245 Vac 230 V: 199 ~ 254 Vac 240 V: 210 ~ 264 Vac					
Output frequency	50 / 60 Hz \pm 0.3 Hz (settable)					
Waveform	Pure sine wave					
Inverter efficiency	Max. 75%	Max. 80%		Max. 85%		
Energy saving mode	Settable (< 3% load), enter in 80 s					
No-load shutdown	Settable (< 3% load), shut down in 80 s					
Transfer time	\leq 10 ms					
THDV (resistive load)	\leq 5%					
Protections	Overload, short circuit (inverter), battery low voltage, battery overcharge, overtemperature					
Overload time (mains mode)	120 s for 110%, 60 s for 125%, 10 s for 150% (transfer to bypass mode)					
Overload time (inverter mode)	60 s for 110%, 10 s for 125%, 5 s for 150% (Shut down directly)					
Mute	Automatic mute in 60 s or by manual					
BATTERIES						
Battery capacity (H: external expansion)	12 V x 1	12 V / 7 Ah x 2	12 V / 9 Ah x 2	12V/9Ahx3 (H: 12Vx4)	12 V / 9 Ah x 4	
Charging current	Standard model (S): 1 A (default)					
	Long time model (H): 10 A (default); < 10 A, set step 1 A; \geq 10 A, set step 5 A					
	Max. 10 A (H)	Max. 15 A (H)	/	Max. 20 A (H)	Max. 25 A (H)	
Equalizing charge voltage	Single battery 14.1 Vdc (default), 13.6 ~ 15 Vdc adjustable					
Floating charge voltage	Single battery 13.5 Vdc (default), 13.2 ~ 14.6 Vdc adjustable					
Low voltage alarm point	Single battery 10.8 Vdc (default), 9.6 ~ 13 Vdc adjustable					
Low voltage shutdown point	Single battery 10.2 Vdc (default), 9.6 ~ 11.5 Vdc adjustable					
COMMUNICATIONS						
USB+RJ45	Supports Windows® 98 / 2000 / 2003 / XP / Vista / 2008 / 7 / 8 / 10					
SNMP (optional)	Power management from SNMP manager and web browser (standard with slot)					
OTHERS						
Operating temperature	5°C ~ 40°C					
Operating humidity	Relative humidity \leq 93%					
Noise level	\leq 50 dB (1m)					
Tower	Dimensions (W x D x H) (mm)	345 x 215 x 144 (S / H)		410 x 215 x 144 (S) 345 x 215 x 144 (H)	467 x 335.5 x 190 (S / H)	
	Packaged dimensions (W x D x H) (mm)	427 x 316 x 236 (S / H)		492 x 316 x 236 (S) 427 x 316 x 236 (H)	592 x 462 x 320 (S / H)	
	Net weight (kg)	7.0 (H)	12.2 (S) 11.6 (H)	14.2 (S)	18.5 (S) 17.8 (H)	28.1 (S) 28.0 (H)
	Gross weight (kg)	8.0 (H)	13.2 (S) 12.6 (H)	15.2 (S)	19.8 (S) 18.8 (H)	30.2 (S) 30.0 (H)
Rack mount	Dimensions (W x D x H) (mm)	/	440 x 338 x 88 (S)	440 x 410 x 132 (S)		
	Packaged dimensions (W x D x H) (mm)	/	611 x 448 x 208 (S)	611 x 505 x 235 (S)		
	Net weight (kg)	/	14.6 (S)	17.2 (S)	21.3 (S)	26.7 (S)
	Gross weight (kg)	/	16.8 (S)	20.4 (S)	24.5 (S)	30.5 (S)

