

INPUT Acceptable Input Voltage M1 Adjustable Bypass Voltage M2 Phase Transfer Voltage Range -Line low loss -Line low comeback -Line high loss		CRT+500E-100		CRT+500E-200	
Adjustable Bypass Voltage M2 Phase Transfer Voltage Range -Line low loss -Line low comeback	1 Phase	3 Phase	1 Phase	3 Phase	
Phase Transfer Voltage Range -Line low loss -Line low comeback	110VAC-276VAC 110VAC-276VAC	190VAC-478VAC 190VAC-478VAC	110VAC-276VAC 110VAC-276VAC	190VAC-478VAC 190VAC-478VAC	
-Line low loss -Line low comeback	Single phase with ground (L-N-G) Based on load percentage	Three phase with ground (R-S-T-N-G) Based on load percentage	Single phase with ground (L-N-G) Based on load percentage	Three phase with ground (R-S-T-N-G) Based on load percentage	
-Line high loss	100%/50% 176VAC/110VAC (±3%) 186VAC/120VAC (±3%)	100%/50% 305VAC/190VAC (±3%) 322VAC/208VAC (±3%)	100%/50% 176VAC/110VAC (±3%) 186VAC/120VAC (±3%)	100%/50% 305VAC/190VAC (±3%) 322VAC/208VAC (±3%)	
-Line high comeback	276VAC (±3%) 266VAC (±3%)	478VAC (±3%)	276VAC (±3%)	478VAC (±3%) 461VAC (±3%)	
-Line nigh comeback THDi	<5% with full load	461VAC (±3%) <5% with full load	266VAC (±3%) <5% with full load	461VAC (±3%) <5% with full load	
Input Power Factor Input Frequency Range	≥0.99(FULL LOAD) 45-55Hz / 54-66Hz				
Generator Set	1.8 x UPS Rating Power				
OUTPUT	1.0 X OF 3 Nating Fower	1.0 x 0/3 hatting rower	1.6 x or 3 hatting rowel	1.0 x or 3 Nating rower	
Power	T	I			
-Power(kVA) max -Power(kW) max	10.0 9.0		20.0 18.0		
-Power Factor	0.9 (De	efault)	0.9 (De	efault)	
-Load Power Factor Range	0.6 - 1 (F 0.5 laggi		0.6 - 1 (I 0.5 laggi	•	
Output Voltage	Pure sine wave		Pure sine wave		
-Waveform -Nominal voltage		200VAC*/208VAC/220VAC/230VAC/240VAC		200VAC*/208VAC/220VAC/230VAC/240VAC	
-Voltage regulation -Transient recovery	± 1 % 60ms (IEC 62040-3 Non-linear load)		± 1 % 60ms (IEC 62040-3 Non-linear load)		
-Transient response(0%-100%-0%, R)	<u>≤</u> 7%		≦7%		
-Transient response(20%-100%-20%, R) -Voltage distortion	≦ 4 ≦ 2% THD,		≦ 4 % ≦ 2% THD, linear load		
	≦ 5% THD, non-linear load		≦ 5% THD, mon-linear load		
Output Frequency -Synchronization range	45-55Hz / !		45-55Hz / 54-66Hz**		
-Slew rate -Battery mode		1 Hz/s (50/60±0.05) Hz**		1 Hz/s (50/60±0.05) Hz**	
Transfer Time					
-Inverter Mode to Battery ModeInverter Mode to Bypass Mode.	0ms 0ms		Oms Oms		
-Inverter Mode to ECO Mode.	0ms 0ms***		0ms 0ms***		
-ECO Mode to Inverter Mode -ECO Mode to Inverter Mode	0ms*** <10ms		0ms*** <10ms		
Full Load Efficiency -Line mode with battery full charged	94%		94%		
-Battery mode @ 12Vdc/Battery	93%		93%		
-ECO mode	98% 100%∼110% : 5 min		98% 100%∼110% : 5 min		
Overload Capability (Line Mode)	110%∼130% : 1 min		110% ~ 130% : 1 min 130%~150% : 10 s		
	130%~150% : 10 s >150% : 2 s		>150% 15		
Overload Capability (BAT Mode)		100%~110%: 5 min 100%~110%: 5 min 100%~130%: 1 min 110%~130%: 1 min			
	130%~150% : 10 s		130%~150% : 10 s		
Crest Ratio	>1509		>1509		
Parallel	UP to 4 for capaci	ity or redundancy	UP to 4 for capaci	ty or redundancy	
BATTERY	1205	C (OA):	421/0	2(0.4)	
Rating/Type	12VD0	C/9An	12VDo	_/9An	
Back-up Time (full load)	External battery: Depend on t	the capacity of external batteries	External battery: Depend on t	he capacity of external batteries	
Quantity DC Voltage	24*1 (can be doubled) 288VDC		24*2 288VDC		
Battery-Low Voltage	273.6		273.6		
Battery Shutdown Voltage	256 0.406	40 70/	255.0\\D0	40.774/	
- 0 ~ 30% Load - 30 ~ 70% Load	256.8VDC, 10.7V/pcs 244.8VDC, 10.2/pcs		256.8VDC, 10.7V/pcs 244.8VDC, 10.2/pcs		
- > 70% Load	228VDC,	9.5V/pcs	228VDC,	9.5V/pcs	
Charger Constant Current Constant Voltage Phase	4.0A + 245 6V	DC 14 4V/pcc	4.04 + 245 6V	DC 14 AV/ncc	
- Constant Current + Constant Voltage Phase - Floating Voltage Phase	4.0A + 345.6VDC, 14.4V/pcs 327.6VDC, 13.65/pcs		4.0A + 345.6VDC, 14.4V/pcs 327.6VDC, 13.65/pcs		
-Charging current (max)	4.0A / 8.0A(Optional)		4.0A / 8.0A(Optional)		
-Charging time	Internal battery: 3h charge to 90% External battery: Depend on the capacity of external batteries		Internal battery: 5h charge to 90% External battery: Depend on the capacity of external batteries		
Leakage current	<500	7	<50	· ,	
Temperature Compensation by hardware based on circumstance temperature	-3mV/degree/ce	ell based on 25°C	-3mV/degree/ce	ll based on 25°C	
·					
Features	YE		Y! Y!		
Features ECO Mode EPO Function		***	YES*		
ECO Mode EPO Function Multi-Communication		YES YES		c	
ECO Mode EPO Function Multi-Communication Start W/O Battery Maintenance Bypass Switch	YE	ES	Y! Y!	ES .	
ECO Mode EPO Function Multi-Communication Start W/O Battery Maintenance Bypass Switch Fan Speed Control	YE	ES ES		SS SS	
ECO Mode EPO Function Multi-Communication Start W/O Battery Maintenance Bypass Switch	YES*	ES ES ****	YI YI	SS SS	
ECO Mode EPO Function Multi-Communication Start W/O Battery Maintenance Bypass Switch Fan Speed Control Frequency Converter Mode (CVCF) INDICATOR & ALARM Display	YES*	ES ES **** D Display	YI YES* Smart LC	SS SS *****	
ECO Mode EPO Function Multi-Communication Start W/O Battery Maintenance Bypass Switch Fan Speed Control Frequency Converter Mode (CVCF) INDICATOR & ALARM Display Battery mode Battery low	YES* YES* Smart LCI Beeps every Sounding ev	ES ES **** D Display four second very second	Yf YES* Smart LC Beeps every Sounding ev	SS SS **** D Display four second very second	
ECO Mode EPO Function Multi-Communication Start W/O Battery Maintenance Bypass Switch Fan Speed Control Frequency Converter Mode (CVCF) INDICATOR & ALARM Display Battery mode	YES* YES* Smart LCI Beeps every	ES ES **** D Display four second very second e every second	YI YES* Smart LC Beeps every	SS SS **** D Display four second very second e every second	
ECO Mode EPO Function Multi-Communication Start W/O Battery Maintenance Bypass Switch Fan Speed Control Frequency Converter Mode (CVCF) INDICATOR & ALARM Display Battery mode Battery low Overload Fault INTERFACE	YE YE YE YES* Smart LCI Beeps every Sounding every Sounding twice Continuou	D Display four second very second e every second us beeping	Yf YES* Smart LC Beeps every Sounding ev Sounding twice Continuou	SS SS **** D Display four second very second e every second s beeping	
ECO Mode EPO Function Multi-Communication Start W/O Battery Maintenance Bypass Switch Fan Speed Control Frequency Converter Mode (CVCF) INDICATOR & ALARM Display Battery mode Battery low Overload Fault INTERFACE RS232	YE YES* Smart LCI Beeps every Sounding every Continuou Standard, supports	ES ES **** D Display four second very second e every second us beeping WinPower Software	YES* Smart LC Beeps every Sounding every Continuou Standard, supports	D Display four second very second e every second s beeping WinPower Software	
ECO Mode EPO Function Multi-Communication Start W/O Battery Maintenance Bypass Switch Fan Speed Control Frequency Converter Mode (CVCF) INDICATOR & ALARM Display Battery mode Battery low Overload Fault INTERFACE	YE YE YE YES* Smart LCI Beeps every Sounding every Sounding twice Continuou	ES ES **** D Display four second very second e every second is beeping WinPower Software WinPower Software	Yf YES* Smart LC Beeps every Sounding ev Sounding twice Continuou	D Display four second very second e every second s beeping WinPower Software WinPower Software	
ECO Mode EPO Function Multi-Communication Start W/O Battery Maintenance Bypass Switch Fan Speed Control Frequency Converter Mode (CVCF) INDICATOR & ALARM Display Battery mode Battery low Overload Fault INTERFACE R\$232 USB Intelligent Slot AC Outlets	Standard, supports Standard, supports	ES ES **** D Display four second very second e every second is beeping WinPower Software WinPower Software S / AS400 Card	YES* Smart LC Beeps every Sounding every Continuou Standard, supports Standard, supports	D Display four second rery second e every second s beeping WinPower Software WinPower Software / AS400 Card	
ECO Mode EPO Function Multi-Communication Start W/O Battery Maintenance Bypass Switch Fan Speed Control Frequency Converter Mode (CVCF) INDICATOR & ALARM Display Battery mode Battery low Overload Fault INTERFACE R\$232 USB Intelligent Slot	Standard, supports SNMP / RS485	ES ES **** D Display four second very second e every second us beeping WinPower Software WinPower Software WinPower Software is / AS400 Card ininal	Yff Yff YES* Smart LC Beeps every Sounding every Sounding twice Continuou Standard, supports Standard, supports SNMP / RS485	SS SS **** D Display four second erry second e every second s beeping WinPower Software WinPower Software / AS400 Card	
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ECO Mode EPO Function Multi-Communication Start W/O Battery Maintenance Bypass Switch Fan Speed Control Frequency Converter Mode (CVCF) INDICATOR & ALARM Display Battery mode Battery low Overload Fault INTERFACE RS232 USB Intelligent Slot AC Outlets MECHANICAL WXHXL (mm) Net Weight Operating Temperature Range Relative Humidity Audible Noise REGULATIONS -ESD -RS -EFT -Surge -Conduction -Radiation -Safety	YE YE YE YE YE YE YE YE	ES ES **** D Display four second very second e every second e every second WinPower Software WinPower Software WinPower Software O AS400 Card ininal O × 650 SKg 45 °C condensing) front 1m 4-2 Level 4 4-3 Level 3 4-4 Level 4 4-5 Level 4 Category C3 Category C3 Category C3 Category C3 D40-1-1	YI YII YES* Smart LC Beeps every Sounding every Sounding twice Continuot Standard, supports Standard, supports Standard, supports Standard, supports 188 0°C ~ 0 ~ 95% (No <55dB at IEC 61000- IEC 61000- IEC 61000- IEC 62040-2	SS SS ***** D Display four second very second e every second s beeping WinPower Software WinPower Software / AS400 Card minal 10 x 650 Kig 45 °C condensing) front 1m 4-2 Level 4 4-3 Level 3 4-4 Level 4 4-5 Level 4 Category C3 Category C3 Category C3 40-1-1	
ECO Mode EPO Function Multi-Communication Start W/O Battery Maintenance Bypass Switch Fan Speed Control Frequency Converter Mode (CVCF) INDICATOR & ALARM Display Battery mode Battery low Overload Fault INTERFACE RS232 USB Intelligent Slot AC Outlets MECHANICAL WXHXL (mm) Net Weight Operating Temperature Range Relative Humidity Audible Noise REGULATIONS -ESD -RS -EFT -Surge -Conduction -Radiation	YE YE YE YE YE YE YE YE	ES ES **** D Display four second very second e every second e every second WinPower Software WinPower Software WinPower Software 6 / AS400 Card ninal D0 x 650 SKg 45 °C condensing) front 1m 4-2 Level 4 4-3 Level 3 4-4-1 Level 4 4-5 Level 4 Category C3 Category C4 Category C4 Category C5 C	Yfi YES* Smart LC Beeps every Sounding twice Continuot Standard, supports Standard, supports Standard, supports Standard, supports STANDER / RS485 Term 350 x 88 188 0°C ~ 0 ~ 95% (No <55dB at IEC 61000- IEC 62040-2 IEC 62040-2	SS SS ***** D Display four second very se	

- ${\bf **Output}\ Frequency\ matches\ the\ M2\ source.\ If\ M2\ source\ fails\ the\ output\ frequency\ of\ the\ UPS\ will\ go\ into\ free-run\ mode\ .$
- ***When the voltage or frequency of M2 source is out of range.
- ****Allows up to 3 simultaneous communication protocols...
- *****Derate to 60% during Frequency Converter Mode and Bypass function is disabled.



