C500R-100-C

C500R-060-B C500R-060-C C500R-100-B

INPUT	C500R-060-B	C500R-060-C	C500R-100-B	C500R-100-C
Acceptable Input Voltage	120VAC-276VAC	120VAC-276VAC	120VAC-276VAC	120VAC-276VAC
Adjustable Bypass Voltage Phase	120VAC-276VAC Single phase with ground	120VAC-276VAC Single phase with ground	120VAC-276VAC Single phase with ground	120VAC-276VAC Single phase with ground
Transfer Voltage Range	Based on load percentage 100%/50%	Based on load percentage	Based on load percentage	Based on load percentage
-Line low loss	176VAC/120VAC (±3%)	100%/50% 176VAC/120VAC (±3%)	100%/50% 176VAC/120VAC (±3%)	100%/50% 176VAC/120VAC (±3%)
-Line low comeback	186VAC/130VAC (±3%)	186VAC/130VAC (±3%)	186VAC/130VAC (±3%)	186VAC/130VAC (±3%)
-Line high loss -Line high comeback	276VAC (±3%) 266VAC (±3%)	276VAC (±3%) 266VAC (±3%)	276VAC (±3%) 266VAC (±3%)	276VAC (±3%) 266VAC (±3%)
THDi	<5% with full load	<5% with full load	<5% with full load	<5% with full load
Input Power Factor	≥0.99(I/P:220V,FULL LOAD)	≥0.99(I/P:220V,FULL LOAD)	≥0.99(FULL LOAD)	≥0.99(FULL LOAD) 45-55Hz / 54-66Hz
Input Frequency Range Generator Set	45-55Hz / 54-66Hz 1.3 x UPS Rating Power	45-55Hz / 54-66Hz 1.3 x UPS Rating Power	45-55Hz / 54-66Hz 1.3 x UPS Rating Power	1.3 x UPS Rating Power
ОЦТРИТ				
Power -Power(kVA) max	6.0	6.0	10.0	10.0
-Power(kW) max	5.4	5.4	9.0	9.0
-Load Power Factor Range	0.5 lagging to 1.0	0.5 lagging to 1.0	0.5 lagging to 1.0	0.5 lagging to 1.0
Output Voltage -Waveform	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave
-Nominal voltage	208VAC/220VAC/230VAC/240VAC	208VAC/220VAC/230VAC/240VAC	208VAC/220VAC/230VAC/240VAC	208VAC/220VAC/230VAC/240VAC
-Voltage regulation -Transient recovery	± 1 % 100ms (IEC 62040-3 Non-linear load)	± 1 % 100ms (IEC 62040-3 Non-linear load)	± 1 % 100ms (IEC 62040-3 Non-linear load)	± 1 % 100ms (IEC 62040-3 Non-linear load)
-Transient response(0%-100%-0%, R load)	±9%	± 9 %	±9%	± 9 %
-Transient response(20%-100%-20%, R load)	± 6 %	± 6 %	± 6 %	± 6 %
-Voltage distortion	< 2% THD, linear load < 5% THD, non-linear load	< 2% THD, linear load < 5% THD, non-linear load	< 2% THD, linear load < 5% THD, non-linear load	< 2% THD, linear load < 5% THD, non-linear load
Output Frequency	< 5% InD, non-linear load	< 5% I mu, non-illiear load	< 5% InD, non-linear load	< 5% FRD, NOTI-linear load
-Synchronization range	45-55Hz / 54-66Hz	45-55Hz / 54-66Hz	45-55Hz / 54-66Hz	45-55Hz / 54-66Hz
-Slew rate -Battery mode	1 Hz/s (50/60±0.1) Hz	1 Hz/s (50/60±0.1) Hz	1 Hz/s (50/60±0.1) Hz	1 Hz/s (50/60±0.1) Hz
Transfer Time				
-Line mode to Battery Mode Line mode to Bypass Mode.	Oms Oms	Oms Oms	Oms Oms	Oms Oms
-Transfer to bypass with Mains2 out of tolerance or				
without phase lock -ECO to Inverter mode	10ms <10ms	10ms <10ms	10ms <10ms	10ms <10ms
Full Load Efficiency				
-Line mode with battery full charged -Battery mode @ 12Vdc/Battery	>92% >89%	>92% >89%	>93% >90%	>93% >90%
-ECO mode	>96%	>96%	>97%	>97%
Overload Capability (Line Mode)	102%~130% : 2 min 130%~150% : 30 s	102%~130% : 2 min 130%~150% : 30 s	102%~130% : 2 min 130%~150% : 30 s	102%~130% : 2 min 130%~150% : 30 s
	>150% 150% : 30 \$	>150% 150% : 30 \$	>150% : 150% : 30 \$	>150% 150% : 30 \$
Overload Capability (Battery Mode)	102%~130%: 10 s >130%: 100ms	102%~130%: 10 s >130%: 100ms	102%~130% : 10 s >130% : 100ms	102%~130% : 10 s >130% : 100ms
Crest Ratio	>130% : 100ms 3:1	>130% : 100ms 3:1	>130% : 100ms 3:1	>130% : 100ms 3:1
BATTERY		<u>.</u>		
Rating/Type	12VDC/5Ah		12VDC/9Ah	
Back-up Time (full load)	>2.5minutes	Depend on the capacity of external batteries	>3.5minutes	Depend on the capacity of external batteries
Quantity DC Voltage	15 180VDC	180VDC	20 240VDC	240VDC
Battery-Low Voltage	171VDC	171VDC	228VDC	228VDC
Battery Shutdown Voltage				
-With External Battery	157.5VDC, 10.5V/pcs	157.5VDC, 10.5V/pcs	210VDC, 10.5V/pcs	210VDC, 10.5V/pcs
-With Internal Battery only - 0 ~ 30% Load	157.5VDC, 10.5V/pcs		210VDC, 10.5V/pcs	
- 30 ~ 70% Load	153VDC, 10.2V/pcs		204VDC, 10.2V/pcs	
- >70% Load	142.5VDC, 9.5V/pcs		190VDC, 9.5V/pcs	
Max. External Battery Capacity	No-Limited	No-Limited	No-Limited	No-Limited
-Boost charging voltage	216.0VDC	N/A	288.0VDC	N/A
-Floating charging voltage	204.7VDC	204.7VDC	273.0VDC	273.0VDC
-Charging current (Normal)	1.0A	8.0A	1.7A	8.0A
-Charging time	<3h charge to 90%	Depend on the capacity of external batteries	<3h charge to 90%	Depend on the capacity of external batteries
Leakage current	<300uA	<300uA	<300uA	<300uA
Temperature Compensation by ventilation inlet temperature	20mv/pc/°C	20mv/pc/°C	20mv/pc/°C	20mv/pc/°C
Features	Ζοπν/μο/ €	2011/γρεγ C	20πγ/ρι/ C	20πν/ρυ/ υ
Dual Input to Bypass	YES	YES	YES	YES
Dual Communication Rack/Tower 2 in 1	YES YES	YES YES	YES YES	YES YES
ECO Mode	YES	YES	YES	YES
EPO Function Maintenance Bypass Switch	YES YES	YES NA	YES YES	YES NA
External Battery Connection	YES YES	NA YES	YES	NA YES
Temperature Compensation	YES	YES	YES	YES
Fan Speed Control Frequency Converter Mode	YES YES**	YES YES**	YES YES**	YES YES**
Dry in /Dry out	YES	YES	YES	YES
INDICATOR & ALARM Display	Smart LCD Display	Smart LCD Display	Smart LCD Display	Smart LCD Display
Battery mode	Beeps every four second	Beeps every four second	Beeps every four second	Beeps every four second
Battery low	Sounding every second	Sounding every second	Sounding every second	Sounding every second
Overload Fault	Sounding twice every second Continuous beeping	Sounding twice every second Continuous beeping	Sounding twice every second Continuous beeping	Sounding twice every second Continuous beeping
INTERFACE				
RS232	Standard, supports WinPower Software	Standard, supports WinPower Software	Standard, supports WinPower Software	Standard, supports WinPower Software
USB	Standard, supports WinPower Software	Standard, supports WinPower Software	Standard, supports WinPower Software	Standard, supports WinPower Software
Intelligent Slot	SNMP / AS400 Card	SNMP / AS400 Card	SNMP / AS400 Card	SNMP / AS400 Card
AC Outlets	IEC C13*2+ IEC C19*1+Terminal	IEC C13 x 2 +IEC C19 x 2 + Terminal	IEC C19 *4+Terminal	IEC C13 x 4 +IEC C19 x 2 + Terminal
MECHANICAL				
WxHxL (mm) for cabinet	129 (3U)*438*698	129 (3U)*438*640	215.5 (5U)*438*704	215.5 (5U)*438*640
Net Weight	20Kg (w/o battery) 46Kg (w/ battery)	19Kg	32.5Kg (w/o battery) 82.5Kg (w/ battery)	26Kg
Operating Temperature Range	0°C ~ 40 °C	0°C ~ 40 °C	0°C ~ 40 °C	0°C ~ 40 °C
Relative Humidity Audible Noise	0 ~ 95% (No condensing) <55dB Maximum	0 ~ 95% (No condensing) <55dB Maximum	0 ~ 95% (No condensing) <55dB Maximum	0 ~ 95% (No condensing) <55dB Maximum
REGULATIONS		JEC C1000 4 3 L 1 4	IEC 61000-4-2 Level 4	IEC 61000-4-2 Level 4
-ESD	IEC 61000-4-2 Level 4	IEC 61000-4-2 Level 4		150 64 555 5 5 5
	IEC 61000-4-2 Level 4 IEC 61000-4-3 Level 3 IEC 61000-4-4 Level 4	IEC 61000-4-2 Level 4 IEC 61000-4-3 Level 3 IEC 61000-4-4 Level 4	IEC 61000-4-3 Level 3 IEC 61000-4-4 Level 4	IEC 61000-4-3 Level 3 IEC 61000-4-4 Level 4
-ESD -RS -EFT -Surge	IEC 61000-4-3 Level 3 IEC 61000-4-4 Level 4 IEC 61000-4-5 Level 4	IEC 61000-4-3 Level 3 IEC 61000-4-4 Level 4 IEC 61000-4-5 Level 4	IEC 61000-4-3 Level 3 IEC 61000-4-4 Level 4 IEC 61000-4-5 Level 4	IEC 61000-4-4 Level 4 IEC 61000-4-5 Level 4
-ESD -RS -EFT	IEC 61000-4-3 Level 3 IEC 61000-4-4 Level 4	IEC 61000-4-3 Level 3 IEC 61000-4-4 Level 4	IEC 61000-4-3 Level 3 IEC 61000-4-4 Level 4	IEC 61000-4-4 Level 4
-ESD -RS -EFT -Surge -Conduction -Radiation -Safety	IEC 61000-4-3 Level 3 IEC 61000-4-4 Level 4 IEC 61000-4-5 Level 4 IEC 62040-2 Category C2 IEC 62040-2 Category C2 IEC 60950-1 / IEC 62040-1-1	IEC 61000-4-3 Level 3 IEC 61000-4-4 Level 4 IEC 61000-4-5 Level 4 IEC 62040-2 Category C2 IEC 62040-2 Category C2 IEC 60950-1 / IEC 62040-1-1	IEC 61000-4-3 Level 3 IEC 61000-4-4 Level 4 IEC 61000-4-5 Level 4 IEC 62040-2 Category C2 IEC 62040-2 Category C2 IEC 60950-1 / IEC 62040-1-1	IEC 61000-4-4 Level 4 IEC 61000-4-5 Level 4 IEC 62040-2 Category C2 IEC 62040-2 Category C2 IEC 60950-1 / IEC 62040-1-1
-ESD -RS -EFT -Surge -Conduction -Radiation	IEC 61000-4-3 Level 3 IEC 61000-4-4 Level 4 IEC 61000-4-5 Level 4 IEC 62040-2 Category C2 IEC 62040-2 Category C2	IEC 61000-4-3 Level 3 IEC 61000-4-4 Level 4 IEC 61000-4-5 Level 4 IEC 62040-2 Category C2 IEC 62040-2 Category C2	IEC 61000-4-3 Level 3 IEC 61000-4-4 Level 4 IEC 61000-4-5 Level 4 IEC 62040-2 Category C2 IEC 62040-2 Category C2	IEC 61000-4-4 Level 4 IEC 61000-4-5 Level 4 IEC 62040-2 Category C2 IEC 62040-2 Category C2