

	C400-010-B	C400-010-C	C400-020-B	C400-020-C	C400-030-B	C400-030-C
INPUT						
-Acceptable Input Voltage	100VAC-300VAC	100VAC-300VAC	100VAC-300VAC	100VAC-300VAC	100VAC-300VAC	100VAC-300VAC
-Phase	Single phase with ground	Single phase with ground	Single phase with ground	Single phase with ground	Single phase with ground	Single phase with ground
-Input voltage range to take 40% load	100VAC~300VAC	100VAC~300VAC	100VAC~300VAC	100VAC~300VAC	100VAC~300VAC	100VAC~300VAC
-Input voltage range to take 100% load	176VAC~300VAC	176VAC~300VAC	176VAC~300VAC	176VAC~300VAC	176VAC~300VAC	176VAC~300VAC
-Inrush Current Limit	8*Irms	8*Irms	8*Irms	8*Irms	8*Irms	8*Irms
-Input Power Factor	≥0.99	≥0.99	≥0.99	≥0.99	≥0.99	≥0.99
-Input Frequency Range	45-55Hz / 54-66Hz	45-55Hz / 54-66Hz	45-55Hz / 54-66Hz	45-55Hz / 54-66Hz	45-55Hz / 54-66Hz	45-55Hz / 54-66Hz
-Input protection	Breaker	Breaker	Breaker	Breaker	Breaker	Breaker
-Generator Set	2.2 x UPS Rating Power	2.2 x UPS Rating Power	2.2 x UPS Rating Power	2.2 x UPS Rating Power	2.2 x UPS Rating Power	2.2 x UPS Rating Power
OUTPUT						
-Power(VA) max	1000	1000	2000	2000	3000	3000
-Power(W) max	900	900	1800	1800	2700	2700
-Power Factor	0.9	0.9	0.9	0.9	0.9	1
-Waveform	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave
-Nominal voltage	220VAC/230VAC/240VAC	220VAC/230VAC/240VAC	220VAC/230VAC/240VAC	220VAC/230VAC/240VAC	220VAC/230VAC/240VAC	220VAC/230VAC/240VAC
-Voltage Variation	± 1%	± 1%	± 1%	± 1%	± 1%	± 1%
-Voltage distortion	< 2% THD@ linear load <6% @non-linear load	< 2% THD@ linear load <6% @non-linear load	< 2% THD@ linear load <6% @non-linear load	< 2% THD@ linear load <6% @non-linear load	< 2% THD@ linear load <6% @non-linear load	< 2% THD@ linear load <6% @non-linear load
Output Frequency						
-Synchronization range	45-55Hz / 54-66Hz	45-55Hz / 54-66Hz	45-55Hz / 54-66Hz	45-55Hz / 54-66Hz	45-55Hz / 54-66Hz	45-55Hz / 54-66Hz
-Slew rate	1 Hz/s	1 Hz/s	1 Hz/s	1 Hz/s	1 Hz/s	1 Hz/s
- Battery mode	(50/60±0.05) Hz	(50/60±0.05) Hz	(50/60±0.05) Hz	(50/60±0.05) Hz	(50/60±0.05) Hz	(50/60±0.05) Hz
Transfer Time						
-Inverter Mode <-> Battery Mode	0ms	0ms	0ms	0ms	0ms	0ms
-Battery Mode <-> Inverter Mode	0ms	0ms	0ms	0ms	0ms	0ms
-Inverter Mode -> bypass Mode	4ms	4ms	4ms	4ms	4ms	4ms
Full Load Efficiency						
-Line mode with battery full charged	>89%	>89%	>91%	>91%	>91%	>91%
-ECO mode	>97.2%	>98%	>98%	>98%	>98%	>98%
Overload Capability						
-Line mode	100%~105% :Constant 105%~130% :60s 130%~150% :10s >150% :300ms	100%~105% :Constant 105%~130% :60s 130%~150% :10s >150% :300ms	100%~105% :Constant 105%~130% :60s 130%~150% :10s >150% :300ms	100%~105% :Constant 105%~130% :60s 130%~150% :10s >150% :300ms	100%~105% :Constant 105%~130% :60s 130%~150% :10s >150% :300ms	100%~105% :Constant 105%~130% :60s 130%~150% :10s >150% :300ms
-Battery mode	100%~105% :Constant 105%~130% :10s 130%~150% :1s >150% :300ms	100%~105% :Constant 105%~130% :10s 130%~150% :1s >150% :300ms	100%~105% :Constant 105%~130% :10s 130%~150% :1s >150% :300ms	100%~105% :Constant 105%~130% :10s 130%~150% :1s >150% :300ms	100%~105% :Constant 105%~130% :10s 130%~150% :1s >150% :300ms	100%~105% :Constant 105%~130% :10s 130%~150% :1s >150% :300ms
-Bypass Mode	<130% continue working 130%load<180% 60s ≥180% 300ms	<130% continue working 130%load<180% 60s ≥180% 300ms	<130% continue working 130%load<180% 60s ≥180% 300ms	<130% continue working 130%load<180% 60s ≥180% 300ms	<130% continue working 130%load<180% 60s ≥180% 300ms	<130% continue working 130%load<180% 60s ≥180% 300ms
BATTERY						
-Inner Battery Rating/Type	12V/9AH*2	NO	12V/9AH*4	NO	12V/9AH*6	NO
-EBM	NO	YES	NO	YES	NO	YES
-Back-up Time (full load)	3.5mins typical	/	3.5mins typical	/	3.5mins typical	/
-DC Voltage	24VDC	24VDC	48VDC	48VDC	72VDC	72VDC
-Battery-Low Voltage	11.2V/pc @ 0~30% Load 11.0V/pc @ 30~70% Load 10.5V/pc @ >70% Load	11.2V/pc	11.2V/pc @ 0~30% Load 11.0V/pc @ 30~70% Load 10.5V/pc @ >70% Load	11.2V/pc	11.2V/pc @ 0~30% Load 11.0V/pc @ 30~70% Load 10.5V/pc @ >70% Load	11.2V/pc
-Battery Shutdown Voltage	10.7V/pc @ 0~30% Load 10.2V/pc @ 30~70% Load 9.5V/pc @ >70% Load	10.7V/pc	10.7V/pc @ 0~30% Load 10.2V/pc @ 30~70% Load 9.5V/pc @ >70% Load	10.7V/pc	10.7V/pc @ 0~30% Load 10.2V/pc @ 30~70% Load 9.5V/pc @ >70% Load	10.7V/pc
-Leakage current	<150uA	<150uA	<150uA	<150uA	<150uA	<150uA
Charger						
-Charger current	1.5A	6A	1.5A	6A	1.5A	6A
-Floating Voltage Phase	13.65V/pc	13.65V/pc	13.65V/pc	13.65V/pc	13.65V/pc	13.65V/pc
-Charging time	4 hours to 90%	/	4 hours to 90%	/	4 hours to 90%	/
Features						
-ECO Mode	YES	YES	YES	YES	YES	YES
-Battery Capacity Calculation	YES	YES	YES	YES	YES	YES
-Fan Speed Control	YES	YES	YES	YES	YES	YES
-Frequency Converter Mode(CVCF)	YES, 60% load	YES, 60% load	YES, 60% load	YES, 60% load	YES, 60% load	YES, 60% load
INDICATOR & ALARM						
-Display	Smart LCD Display	Smart LCD 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	Beeps every four second	Beeps every four second
-Battery low	Sounding every second	Sounding every second	Sounding every second	Sounding every second	Sounding every second	Sounding every second
-Overload	Sounding twice every second	Sounding twice every second	Sounding twice every second	Sounding twice every second	Sounding twice every second	Sounding twice every second
-Fault	Continuous beeping	Continuous beeping	Continuous beeping	Continuous beeping	Continuous beeping	Continuous beeping
INTERFACE						
-RS232	Optional	Optional	Optional	Optional	Optional	Optional
-USB	YES	YES	YES	YES	YES	YES
-EPO Function	Yes	Yes	Yes	Yes	Yes	Yes
-Comm Slot	Optional(SNMP /AS400)	Optional(SNMP /AS400)	Optional(SNMP /AS400)	Optional(SNMP /AS400)	Optional(SNMP /AS400)	Optional(SNMP /AS400)
-Dry Contact	Optional	Optional	Optional	Optional	Optional	Optional
-Inlet socket/TB	Inlet+Input Powercord	Inlet+Input Powercord	Inlet+Input Powercord	Inlet+Input Powercord	Inlet+Input Powercord	Inlet+Input Powercord
-Outlet socket	3*Schuko or 4*IEC C13	2*Schuko or 3*IEC C13	4*Schuko or 4*IEC C13	2*Schuko+1*C13 or 6*IEC C13	4*Schuko or 4*IEC C13+1*IEC C19	2*Schuko+1*C19 or 3*IEC C13+1*Terminal block
MECHANICAL						
-WxHxD(mm)	144*228*356	102X228X346	190*327*399	102X327X390	190*327*399	102X327X390
-Net weight (Kg)	9.2	3.9	17.4	6.4	22.7	6.4
ENVIRONMENTAL						
-Operating Temperature Range	0°C ~ 40 °C	0°C ~ 40 °C	0°C ~ 40 °C	0°C ~ 40 °C	0°C ~ 40 °C	0°C ~ 40 °C
-Relative Humidity	0 ~ 95% (No condensing)	0 ~ 95% (No condensing)	0 ~ 95% (No condensing)	0 ~ 95% (No condensing)	0 ~ 95% (No condensing)	0 ~ 95% (No condensing)
-Audible Noise(full load)	≤49dB	≤49dB	≤44dB	≤44dB	≤49dB	≤49dB
-Audible Noise(60% load)	≤39dB	≤36dB	≤36dB	≤36dB	≤41dB	≤41dB
REGULATIONS						
-ESD	IEC 61000-4-2 Level 3	IEC 61000-4-2 Level 3	IEC 61000-4-2 Level 3	IEC 61000-4-2 Level 3	IEC 61000-4-2 Level 3	IEC 61000-4-2 Level 3
-RS	IEC 61000-4-3 Level 3	IEC 61000-4-3 Level 3	IEC 61000-4-3 Level 3	IEC 61000-4-3 Level 3	IEC 61000-4-3 Level 3	IEC 61000-4-3 Level 3
-EFT	IEC 61000-4-4 Level 4	IEC 61000-4-4 Level 4	IEC 61000-4-4 Level 4	IEC 61000-4-4 Level 4	IEC 61000-4-4 Level 4	IEC 61000-4-4 Level 4
-Surge	IEC 61000-4-5 Level 4	IEC 61000-4-5 Level 4	IEC 61000-4-5 Level 4	IEC 61000-4-5 Level 4	IEC 61000-4-5 Level 4	IEC 61000-4-5 Level 4
-Conduction	IEC 62040-2 Category C2	IEC 62040-2 Category C2	IEC 62040-2 Category C2	IEC 62040-2 Category C2	IEC 62040-2 Category C2	IEC 62040-2 Category C2
-Radiation	IEC 62040-2 Category C2	IEC 62040-2 Category C2	IEC 62040-2 Category C2	IEC 62040-2 Category C2	IEC 62040-2 Category C2	IEC 62040-2 Category C2
-Safety	CE	CE	CE	CE	CE	CE
-Transportation	Drop:ISTA 2A, Vibration:internal standard	Drop:ISTA 2A, Vibration:internal standard	Drop:ISTA 2A, Vibration:internal standard	Drop:ISTA 2A, Vibration:internal standard	Drop:ISTA 2A, Vibration:internal standard	Drop:ISTA 2A, Vibration:internal standard
-Protection	IP20 (static)	IP20 (static)	IP20 (static)	IP20 (static)	IP20 (static)	IP20 (static)
Accessories						
-User manual	Yes	Yes	Yes	Yes	Yes	Yes