CertaUPS

C550 6kVA-10kVA Data Sheet

INPUT	C550-060-C	C550-060-B	C550-100-C	C550-100-B
-ACCEPTABLE INPUT VOLTAGE	176VAC-275VAC	176VAC-275VAC	176VAC-275VAC	176VAC-275VAC
-ACCEPTABLE BYPASS VOLTAGE	176VAC-264VAC	176VAC-264VAC	176VAC-264VAC	176VAC-264VAC
-PHASE	Single phase with ground	Single phase with ground	Single phase with ground	Single phase with ground
-TRANSFER VOLTAGE RANGE	Based on load percentage 100%/50%	Based on load percentage 100%/50%	Based on load percentage 100%/50%	Based on load percentage 100%/50%
-LINE LOW LOSS	176VAC/110VAC (±3%)	176VAC/110VAC (±3%)	176VAC/110VAC (±3%)	176VAC/110VAC (±3%)
-LINE LOW COMEBACK	186VAC/120VAC (±3%)	186VAC/120VAC (±3%)	186VAC/120VAC (±3%)	186VAC/120VAC (±3%)
-LINE HIGH LOSS	275VAC (±3%)	275VAC (±3%)	275VAC (±3%)	275VAC (±3%)
-LINE HIGH COMEBACK	266VAC (±3%)	266VAC (±3%)	266VAC (±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(FULL LOAD)	≥0.99(FULL LOAD)	≥0.99(FULL LOAD)	≥0.99(FULL LOAD)
-INPUT FREQUENCY RANGE	45-55Hz / 54-66Hz	45-55Hz / 54-66Hz	45-55Hz / 54-66Hz	45-55Hz / 54-66Hz
-GENERATOR SET	> 1.5 x UPS Rating Power	> 1.5 x UPS Rating Power	> 1.5 x UPS Rating Power	> 1.5 x UPS Rating Power
POWER				
-POWER (kVA) max	6.0	6.0	10.0	10.0
-POWER (kW) MAX	6.0	6.0	10.0	10.0
-POWER FACTOR	1	1	1	1
-LOAD POWER FACTOR RANGE	0.3 lagging to 1.0	0.3 lagging to 1.0	0.3 lagging to 1.0	0.3 lagging to 1.0
OUTPUT VOLTAGE				
-WAVEFORM	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave
-NOMINAL RANGE	208VAC*/220VAC/230VAC/240VAC	208VAC*/220VAC/230VAC/240VAC	208VAC*/220VAC/230VAC/240VAC	208VAC*/220VAC/230VAC/240VAC
-VOLTAGE REGULATION	± 1 %	± 1 %	± 1 %	± 1 %
-TRANSIENT RECOVERY	100ms (IEC 62040-3 Non-linear load)	100ms (IEC 62040-3 Non-linear load)	100ms (IEC 62040-3 Non-linear load)	100ms (IEC 62040-3 Non-linear load)
-TRANSIENT RESPONSE (0%-100%-0%, R load)/(33%->66%->100%->66%->33% non-linear step load)	IEC 62040-3 Classification 1	IEC 62040-3 Classification 1	IEC 62040-3 Classification 1	IEC 62040-3 Classification 1
-VOLTAGE DISTORSION	< 1% THD, linear load	< 1% THD, linear load	< 1% THD, linear load	< 1% THD, linear load
OUTPUT FREQUENCY				
-SYNCRONISATION RANGE	50-60Hz	50-60Hz	50-60Hz	50-60Hz
-SLEW RATE	1 Hz/s	1 Hz/s	1 Hz/s	1 Hz/s
-BATTERY MODE	50/60Hz ± 1%	50/60Hz ± 1%	50/60Hz ± 1%	50/60Hz ± 1%
TRANSFER TIME				
-INVERTER MODE TO BATTERY MODE	0ms	0ms	0ms	0ms
-INVERTER MODE TO BYPASS MODE	4ms	0ms	0ms	0ms
-INVERTER MODE TO ECO MODE	0ms	0ms	0ms	0ms
-ECO MODE TO INVERTER	10ms (typical)	10ms (typical)	10ms (typical)	10ms (typical)
FULLLOAD EFFICIENCY				
-LINE MODE WITH BATTERY FULLY CHARGED	>95%	>95%	>95%	>95%
-BATTERY MODE @ (12VDC) BATTERY	>93%	>93%	>93%	>93%
-ECO MODE	>98%	>98%	>98%	>98%
OVERLOAD CAPABILITY (LINE MODE & BATTERY MODE)	100%~105% : ∞	100%~105% : ∞	100%~105% : ∞	100%~105% : ∞
	105%~125% : 10 mins (Audible Alarm)	105%~125% : 10 mins (Audible Alarm)	105%~125% : 10 mins (Audible Alarm)	105%~125% : 10 mins (Audible Alarm)
	>125% 150% : 30 seconds	>125% 150% : 30 seconds	>125% 150% : 30 seconds	>125% 150% : 30 seconds
-CREST RATIO	3:1	3:1	3:1	3:1
-PARALLEL	UP to 4 for capacity or redundancy	UP to 4 for capacity or redundancy	UP to 4 for capacity or redundancy	UP to 4 for capacity or redundancy
BATTERY				
-RATING/TYPE	12VDC/9Ah (EBM)	12VDC/9Ah	12VDC/9Ah (EBM)	12VDC/9Ah
-BACKUP TIME @ FULL LOAD	N/A	N/A	N/A	N/A
-QUANTITY	20	20	20	20
-DC VOLTAGE	240VDC	240VDC	240VDC	240VDC
-BATTERY LOW VOLTAGE	228VDC/210VDC	228VDC/210VDC	228VDC/210VDC	228VDC/210VDC
BATTERY SHUTDOWN VOLTAGE				
- 0 ~ 25% Load	210VDC, 10.5V/pcs	210VDC, 10.5V/pcs	210VDC, 10.5V/pcs	210VDC, 10.5V/pcs
- > 25% Load	210VDC, 10.5V/pcs	192VDC, 9.6V/pcs	210VDC, 10.5V/pcs	192VDC, 9.6V/pcs
CHARGER				
-CONSTANT CURRENT PHASE	4A +/-0.2A 2~12A,Adjustable via LCD or USB/RS232	1.4A +/-0.2A 0~4A,Adjustable via LCD or USB/RS232	4A +/-0.2A 2~12A,Adjustable via LCD or USB/RS232	1.4A +/-0.2A 0~4A,Adjustable via LCD or USB/RS232
-FLOATING VOLTAGE PHASE	273VDC	273VDC	273VDC	273VDC
-CHARGING CURRENT MAX	12A	12A	12A	12A
-CHARGING TIME	Dependent on EBM qty	3h charge to 90%	Dependent on EBM qty	3h charge to 90%
-LEAKAGE CURRENT	<350uA	<350uA	<350uA	<350uA
TEMPRETURE COMPENSASTION BY HARDWARE	-20mV/degree/cell based on 25°C	-20mV/degree/cell based on 25°C	-20mV/degree/cell based on 25°C	-20mV/degree/cell based on 25°C
FEATURES				
-ECO MODE	YES	YES	YES	YES
-EPO	YES	YES	YES	YES
-AUTO DERATING	YES	YES	YES	YES
-RUNTIME CALCULATION	YES	YES	YES	YES
-MBS	YES	YES	YES	YES
-VARIABLE FAN SPEED	YES	YES	YES	YES
-FREQUENCY CONVERTOR	YES *	YES *	YES *	YES *
INDICATORS				
-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	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
INTERFACE				
-RS232	Optional, supports WinPower Software	Optional, supports WinPower Software	Optional, supports WinPower Software	Optional, supports WinPower Software
-USB	Standard, supports WinPower Software	Standard, supports WinPower Software	Standard, supports WinPower Software	Standard, supports WinPower Software
-INTELLIGENT SLOT	SNMP / RS485 / AS400 / USB Card	SNMP / RS485 / AS400 / USB Card	SNMP / RS485 / AS400 / USB Card	SNMP / RS485 / AS400 / USB Card
-DRY CONTACT	Standard	Standard	Standard	Standard
-REMOTE PANEL	Optional	Optional	Optional	Optional
-AC OUTLETS	Terminal	Terminal	Terminal	Terminal
MECHANICAL				
WxHxD (mm)	220 x 348 x 492	220 x 348 x 492	220 x 348 x 492	220 x 348 x 492
-NET WEIGHT	13kg	13kg	13kg	13kg
-OPERATING TEMPRETURE	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C
-RELATIVE H@UMIDITY	0 ~ 95% (No condensing)	0 ~ 95% (No condensing)	0 ~ 95% (No condensing)	0 ~ 95% (No condensing)
-AUDIBLE NOISE	<50dB at front 1m	<50dB at front 1m	<50dB at front 1m	<50dB at front 1m
REGULATIONS				
-CONDUCTION/RADIATION	IEC/EN 62040			
	IEC 60950-1			
-HARMONIC CURRENT	IEC/EN61000-3-2			
-VOLTAGE FLUCTUATION	IEC/EN 61000-3-3			
-ESD	IEC 61000-4-2			
-RS	IEC 61000-4-3			
-EFT	IEC 61000-4-4			
-SURGE	IEC 61000-4-5			
-CS	IEC 61000-4-6			
-MS	IEC 61000-4-8			
-VOLTAGE DIPS	IEC 61000-4-11			
-CONDUCTION	IEC 62040-2 Category C3			
-RADIOTION	IEC 62040-2 Category C3			
-SAFETY	IEC 62040-1-1			
-TRANSPORTATION	ETS 300019-2-2 Class 2.3			
-PROTECTION	IP20 (static)			

* When used as a frequency converter Refer to product manual for derating information