

	C550R-060-C	C550R-100-C
INPUT		
ACCEPTABLE INPUT VOLTAGE	176VAC-275VAC	176VAC-275VAC
ACCEPTABLE BYPASS VOLTAGE	176VAC-264VAC	176VAC-264VAC
PHASE	Single phase with ground	Single phase with ground
TRANSFER VOLTAGE RANGE	Based on load percentage 100%/50%	Based on load percentage 100%/50%
LINE LOW LOSS	176VAC/110VAC (±3%)	176VAC/110VAC (±3%)
LINE LOW COMEBACK	186VAC/120VAC (±3%)	186VAC/120VAC (±3%)
LINE HIGH LOSS	275VAC (±3%)	275VAC (±3%)
LINE HIGH COMEBACK	264VAC (±3%)	264VAC (±3%)
THDI	< 5% with full load	< 5% with full load
INPUT POWER FACTOR	> 0.99 (PFC) (0.9)	> 0.99 (PFC) (0.9)
INPUT FREQUENCY RANGE	45-59Hz / 54-64Hz	45-59Hz / 54-64Hz
GENERATOR SET	> 1.5 x UPS Rating Power	> 1.5 x UPS Rating Power
POWER		
POWER (kVA) max	6.0	10.0
POWER (kW) MAX	6.0	10.0
POWER FACTOR	1	1
LOAD POWER FACTOR RANGE	0.3 lagging to 1.0	0.3 lagging to 1.0
OUTPUT VOLTAGE		
WAVEFORM	Pure sine wave	Pure sine wave
NOMINAL RANGE	220VAC/220VAC/230VAC/240VAC	220VAC/220VAC/230VAC/240VAC
VOLTAGE REGULATION	±1%	±1%
TRANSIENT RECOVERY	100ms (EC 62040-3 Non-linear load)	100ms (EC 62040-3 Non-linear load)
TRANSIENT RESPONSE (0% - 100% - 0% @ load) (33% - 64% -> 100% - 64% -> 33% non-linear step load)	EC 62040-3 Classification 1	EC 62040-3 Classification 1
VOLTAGE DISTORTION	< 1% THD, linear load	< 1% THD, linear load
OUTPUT FREQUENCY		
SYNCHRONISATION RANGE	50-60Hz	50-60Hz
SLEW RATE	1 Hz/s	1 Hz/s
BATTERY MODE	50/60Hz ± 1%	50/60Hz ± 1%
TRANSFER TIME		
INVERTER MODE TO BATTERY MODE	0ms	0ms
INVERTER MODE TO BYPASS MODE	0ms	0ms
INVERTER MODE TO ECO MODE	0ms	0ms
ECO MODE TO INVERTER	10ms (typical)	10ms (typical)
FULL LOAD EFFICIENCY		
LINE MODE WITH BATTERY FULLY CHARGED	> 95%	> 95%
BATTERY MODE @ 120°C BATTERY	> 95%	> 95%
ECO MODE	> 98%	> 98%
OVERLOAD CAPABILITY (LINE MODE & BATTERY MODE)	100% ~ 105% ~ + 105% ~ 125% ~ 10 mins (Audible Alarm) > 125% 150% ~ 30 seconds	100% ~ 105% ~ + 105% ~ 125% ~ 10 mins (Audible Alarm) > 125% 150% ~ 30 seconds
CREST RATIO	3:1	3:1
PARALLEL	UP to 4 for capacity or redundancy	UP to 4 for capacity or redundancy
BATTERY		
RATING / TYPE	12VDC / 9Ah (EBM)	12VDC / 9Ah (EBM)
BACKUP TIME @ FULL LOAD	N/A	N/A
QUANTITY	20	20
DC VOLTAGE	24VDC	24VDC
BATTERY LOW VOLTAGE	228VDC/210VDC	228VDC/210VDC
BATTERY SHUTDOWN VOLTAGE		
0 ~ 25% Load	210VDC, 10.5V/pc/s	210VDC, 10.5V/pc/s
> 25% Load	210VDC, 10.5V/pc/s	210VDC, 10.5V/pc/s
CHARGER		
CONSTANT CURRENT PHASE	4A +/- 0.2A 2-12A, A adjustable via LCD or USB/RS232	4A +/- 0.2A 2-12A, A adjustable via LCD or USB/RS232
FLOATING VOLTAGE PHASE	273VDC	273VDC
CHARGING CURRENT MAX	12A	12A
CHARGING TIME	Dependent on EBM qty	Dependent on EBM qty
LEAKAGE CURRENT	< 350uA	< 350uA
TEMPERATURE COMPENSATION BY HARDWARE	20mV/degree/cell based on 25°C	20mV/degree/cell based on 25°C
FEATURES		
ECO MODE	YES	YES
FTO	YES	YES
AUTO DERATING	YES	YES
RUNTIME CALCULATION	YES	YES
MBS	YES	YES
VARIABLE FAN SPEED	YES	YES
FREQUENCY CONVERTOR	YES*	YES*
INDICATORS		
DISPLAY	Smart LCD Display	Smart LCD Display
BATTERY MODE	Beeper every four second	Beeper every four second
BATTERY LOW	Sounding every second	Sounding every second
OVERLOAD	Sounding twice every second	Sounding twice every second
FAULT	Continuous beeping	Continuous beeping
INTERFACE		
RS232	Optional, supports WinPower Software	Optional, supports WinPower Software
USB	Standard, supports WinPower Software	Standard, supports WinPower Software
INTELLIGENT SLOT	Smart / RS485 / A485 / USB Card	Smart / RS485 / A485 / USB Card
DRY CONTACT	Standard	Standard
REMOTE PANEL	Optional	Optional
AC OUTLETS	Terminal	Terminal
MECHANICAL		
WxHxD (mm)	220 x 348 x 492	220 x 348 x 492
NET WEIGHT	13kg	13kg
OPERATING TEMPERATURE	0°C ~ 40 °C	0°C ~ 40 °C
RELATIVE HUMIDITY	0 ~ 95% (No condensing)	0 ~ 95% (No condensing)
AUDIBLE NOISE	< 50dB @ front 1m	< 50dB @ front 1m
REGULATIONS		
CONDUCTION/RADIATION	EC/EN 62040	EC/EN 62040
HARMONIC CURRENT	EC 61000-3	EC 61000-3
VOLTAGE FLUCTUATION	EC 61000-3-2	EC 61000-3-2
ESD	EC 61000-4-2	EC 61000-4-2
RS	EC 61000-4-3	EC 61000-4-3
EFT	EC 61000-4-4	EC 61000-4-4
SURGE	EC 61000-4-5	EC 61000-4-5
CS	EC 61000-4-6	EC 61000-4-6
MS	EC 61000-4-8	EC 61000-4-8
VOLTAGE DIPS	EC 61000-4-11	EC 61000-4-11
CONDUCTION	EC 62040-2 Category C3	EC 62040-2 Category C3
RADIATION	EC 62040-2 Category C3	EC 62040-2 Category C3
SAFETY	EC 62040-1	EC 62040-1
TRANSPORTATION	IEC 60070-2 Class 3.3	IEC 60070-2 Class 3.3
PROTECTION	IP20 (front)	IP20 (front)

* When used as a frequency converter refer to product manual for detailed information