

INPUT	C550-040-C	C550-040-B	C550-100-C	C550-100-B
ACCEPTABLE INPUT VOLTAGE	178VAC-275VAC	178VAC-275VAC	178VAC-275VAC	178VAC-275VAC
ACCEPTABLE BYPASS VOLTAGE	178VAC-264VAC	178VAC-264VAC	178VAC-264VAC	178VAC-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	178VAC/110VAC (±3%)	178VAC/110VAC (±3%)	178VAC/110VAC (±3%)	178VAC/110VAC (±3%)
LINE LOW COMEBACK	188VAC/120VAC (±3%)	188VAC/120VAC (±3%)	188VAC/120VAC (±3%)	188VAC/120VAC (±3%)
LINE HIGH LOSS	275VAC (±3%)	275VAC (±3%)	275VAC (±3%)	275VAC (±3%)
LINE HIGH COMEBACK	264VAC (±3%)	264VAC (±3%)	264VAC (±3%)	264VAC (±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 / 54-64Hz	45-55Hz / 54-64Hz	45-55Hz / 54-64Hz	45-55Hz / 54-64Hz
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	10ms (IEC 62040-3 Non-linear load)	10ms (IEC 62040-3 Non-linear load)	10ms (IEC 62040-3 Non-linear load)	10ms (IEC 62040-3 Non-linear load)
TRANSIENT RESPONSE (0%~100%~0% @ 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 DISTORTION	< 1% THD, linear load	< 1% THD, linear load	< 1% THD, linear load	< 1% THD, linear load
OUTPUT FREQUENCY				
SYNCHRONISATION 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	0ms	0ms	0ms	0ms
INVERTER MODE TO ECO MODE	0ms	0ms	0ms	0ms
ECO MODE TO INVERTER	10ms (typical)	10ms (typical)	10ms (typical)	10ms (typical)
FULL LOAD EFFICIENCY				
LINE MODE WITH BATTERY FULLY CHARGED	>95%	>95%	>95%	>95%
BATTERY MODE @ 120°C BATTERY	>95%	>95%	>95%	>95%
ECO MODE	>98%	>98%	>98%	>98%
OVERLOAD CAPABILITY (LINE MODE & BATTERY MODE)	100%~105% ~ 10ms (Audible Alarm) >125% 150% : 30 seconds	100%~105% ~ 10ms (Audible Alarm) >125% 150% : 30 seconds	100%~105% ~ 10ms (Audible Alarm) >125% 150% : 30 seconds	100%~105% ~ 10ms (Audible Alarm) >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	24VDC	24VDC	24VDC	24VDC
BATTERY LOW VOLTAGE	28VDC/210VDC	28VDC/210VDC	28VDC/210VDC	28VDC/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 p-12A, Adjustable via LCD or USB/RS232	1.4A ± 0.2A p-12A, Adjustable via LCD or USB/RS232	4A ± 0.2A p-12A, Adjustable via LCD or USB/RS232	1.4A ± 0.2A p-12A, 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	<350µA	<350µA	<350µA	<350µA
TEMPERATURE COMPENSATION 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
ETD	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 CONVERTER	YES*	YES*	YES*	YES*
INDICATORS				
DISPLAY	Smart LCD Display	Smart LCD Display	Smart LCD Display	Smart LCD Display
BATTERY MODE	Beeper every four seconds	Beeper every four seconds	Beeper every four seconds	Beeper every four seconds
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	Smart/7/8/9/10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100/101/102/103/104/105/106/107/108/109/110/111/112/113/114/115/116/117/118/119/120/121/122/123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141/142/143/144/145/146/147/148/149/150/151/152/153/154/155/156/157/158/159/160/161/162/163/164/165/166/167/168/169/170/171/172/173/174/175/176/177/178/179/180/181/182/183/184/185/186/187/188/189/190/191/192/193/194/195/196/197/198/199/200/201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218/219/220/221/222/223/224/225/226/227/228/229/230/231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000/1001/1002/1003/1004/1005/1006/1007/1008/1009/1010/1011/1012/1013/1014/1015/1016/1017/1018/1019/1020/1021/1022/1023/1024/1025/1026/1027/1028/1029/1030/1031/1032/1033/1034/1035/1036/1037/1038/1039/1040/1041/1042/1043/1044/1045/1046/1047/1048/1049/1050/1051/1052/1053/1054/1055/1056/1057/1058/1059/1060/1061/1062/1063/1064/1065/1066/1067/1068/1069/1070/1071/1072/1073/1074/1075/1076/1077/1078/1079/1080/1081/1082/1083/1084/1085/1086/1087/1088/1089/1090/1091/1092/1093/1094/1095/1096/1097/1098/1099/1100/1101/1102/1103/1104/1105/1106/1107/1108/1109/1110/1111/1112/1113/1114/1115/1116/1117/1118/1119/1120/1121/1122/1123/1124/1125/1126/1127/1128/1129/1130/1131/1132/1133/1134/1135/1136/1137/1138/1139/1140/1141/1142/1143/1144/1145/1146/1147/1148/1149/1150/1151/1152/1153/1154/1155/1156/1157/1158/1159/1160/1161/1162/1163/1164/1165/1166/1167/1168/1169/1170/1171/1172/1173/1174/1175/1176/1177/1178/1179/1180/1181/1182/1183/1184/1185/1186/1187/1188/1189/1190/1191/1192/1193/1194/1195/1196/1197/1198/1199/1200/1201/1202/1203/1204/1205/1206/1207/1208/1209/1210/1211/1212/1213/1214/1215/1216/1217/1218/1219/1220/1221/122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