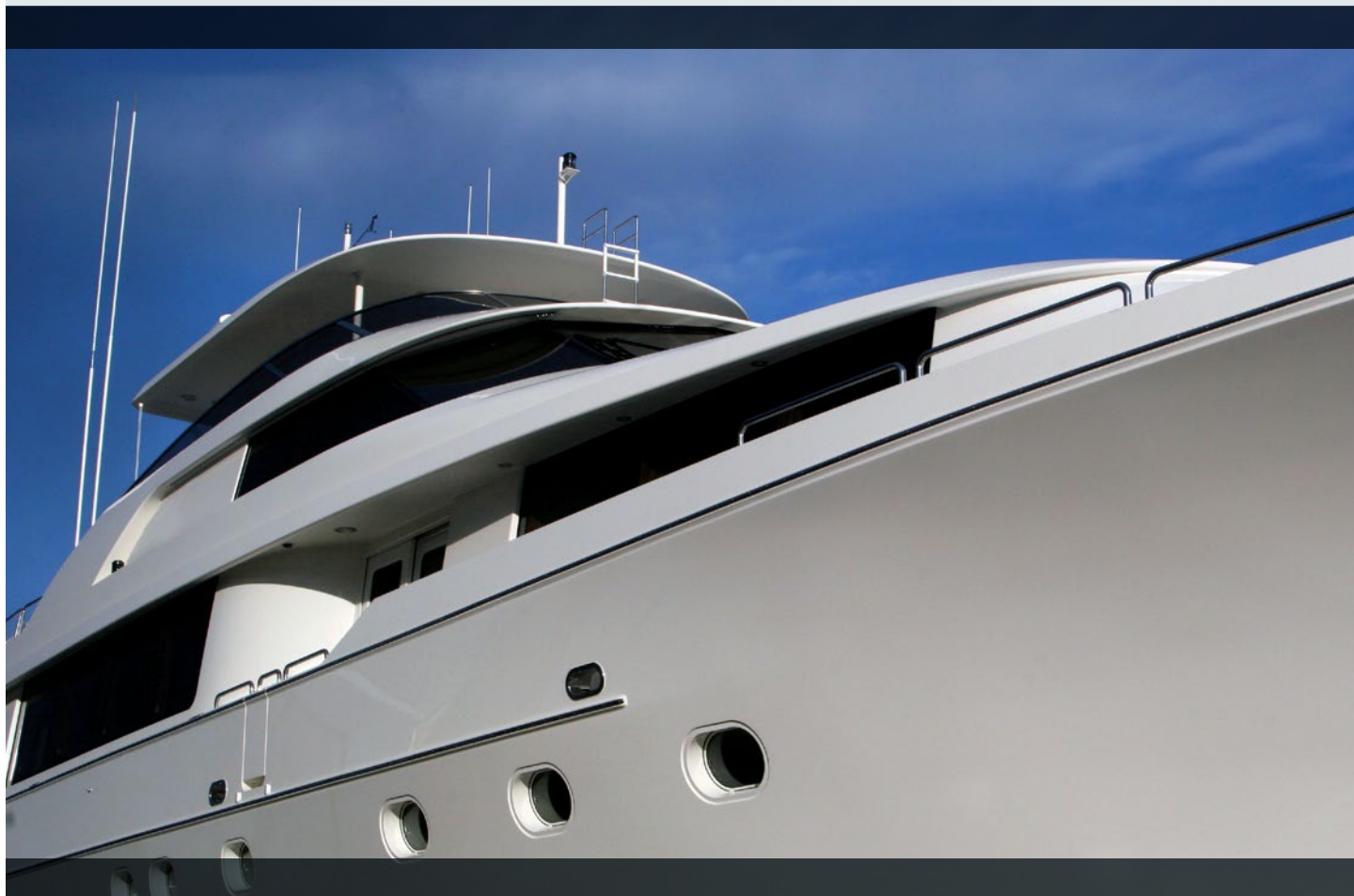


SHORE POWER CONVERTER LIST 2018



A *Power Systems*
SEA



SHORE POWER CONVERTER LIST

Shore cord capacities

These tables provide a approximate indication of the amount of kVA capacity of different amperage shore cords at common worldwide voltages. Use these tables to help guide your selection of a suitably sized shore power converter.

Single Phase

Voltage	amperage					
	16 A	32 A	50 A	63 A	100 A	125 A
208 V	3.3kVA	6.7kVA	10.4kVA	13.1kVA	20.8kVA	26.0kVA
230 V	3.7kVA	7.4kVA	11.5kVA	14.5kVA	23.0kVA	28.8kVA
240 V	3.8kVA	7.7kVA	12.0kVA	15.1kVA	24.0kVA	30.0kVA
400 V	6.4kVA	12.8kVA	20.0kVA	25.2kVA	40.0kVA	50.0kVA
440 V	7.0kVA	14.1kVA	22.0kVA	27.7kVA	44.0kVA	55.0kVA

Three Phase

Voltage	amperage					
	16 A	32 A	50 A	63 A	100 A	125 A
208 V	5.8kVA	11.5kVA	18.0kVA	22.7kVA	36.0kVA	45.0kVA
230 V	6.4kVA	12.7kVA	19.9kVA	25.1kVA	39.8kVA	49.7kVA
240 V	6.6kVA	13.3kVA	20.8kVA	26.2kVA	41.5kVA	51.9kVA
400 V	11.1kVA	22.1kVA	34.6kVA	43.6kVA	69.2kVA	86.5kVA
440 V	12.2kVA	24.4kVA	38.1kVA	48.0kVA	76.1kVA	95.2kVA

Single phase input only - Single shore cord



Bulkhead Mount

MODEL	POWER LEVEL	INPUT	OUTPUT	CABINET	# OF CABINETS	COMMENTS
AC08	8kVA	1 Phase	1 Phase	A	1	Bulkhead Mounted
AC081	8kVA	1 Phase	1 Phase	A	1	120V – 1 Phase Output
AC12	12kVA	1 Phase	1 Phase	A	1	Bulkhead Mounted
AC121	12kVA	1 Phase	1 Phase	A	1	120V – 1 Phase Output
AC15	15kVA	1 Phase	1 Phase	B	1	Bulkhead Mounted
AC18	18kVA	1 Phase	1 Phase	B	1	Bulkhead Mounted

Single phase input only - Dual shore cord



Floor Mount

MODEL	POWER LEVEL	INPUT	OUTPUT	CABINET	# OF CABINETS	COMMENTS
AC15Q	15kVA	1 Phase	1 Phase	Q1, Q1 DC	1 or 2	Dual Shore Cords
AC20Q	20kVA	1 Phase	1 Phase	Q1, Q1 DC	1 or 2	Dual Shore Cords
AC24	24kVA	1 Phase	1 Phase	F, O	1	Dual Shore Cords
AC30	30kVA	1 Phase	1 Phase	F, O	1	Dual Shore Cords
AC36	36kVA	1 Phase	1 Phase	F, O	1	Dual Shore Cords

SHORE POWER CONVERTER LIST

Single or three phase input - Single shore cord



Bulkhead Mount

MODEL	POWER LEVEL	INPUT	OUTPUT	CABINET	# OF CABINETS	COMMENTS
AC25-1	25 kVA	1 or 3 Phase	1 Phase	F, FL, L, M, N, O, Q	1	
AC25-3	25 kVA	1 or 3 Phase	3 Phase	F, FL, L, M, N, O, Q	1	
AC25Q-1	25 kVA	1 or 3 Phase	1 Phase	Q2	1	
AC25Q-3	25 kVA	1 or 3 Phase	3 Phase	Q2	1	
AC30-1	30 kVA	1 or 3 Phase	1 Phase	F, FL, L, M, N, O, Q	1	
AC30-3	25 kVA	1 or 3 Phase	3 Phase	F, FL, L, M, N, O, Q	1	
AC30Q-1	30 kVA	1 or 3 Phase	1 Phase	Q2	1	
AC30Q-3	30 kVA	1 or 3 Phase	3 Phase	Q2	1	
AC36-1	25 kVA	1 or 3 Phase	1 Phase	F, FL, L, M, N, O, Q	1	
AC36-3	25 kVA	1 or 3 Phase	3 Phase	F, FL, L, M, N, O, Q	1	
AC36Q-1	36 kVA	1 or 3 Phase	1 Phase	Q3	1	
AC36Q-3	36 kVA	1 or 3 Phase	3 Phase	Q3	1	
AC45-1	45 kVA	1 or 3 Phase	1 Phase	D, I, H, N	1	
AC45-3	45 kVA	1 or 3 Phase	3 Phase	D, I, H, N	1	
AC45Q-1	45 kVA	1 or 3 Phase	1 Phase	Q3	1	
AC45Q-3	45 kVA	1 or 3 Phase	3 Phase	Q3	1	
AC54-1	54 kVA	1 or 3 Phase	1 Phase	D, I, H, N	1	
AC54-3	54 kVA	1 or 3 Phase	3 Phase	D, I, H, N	1	



SHORE POWER CONVERTER LIST

Single or three phase input - Dual shore cord



Floor Mount

MODEL	POWER LEVEL	INPUT	OUTPUT	CABINET	# OF CABINETS	COMMENTS
AC30Q-1/2	30 kVA	1 or 3 Phase	1 Phase	Q1, Q1 DC	2 or 4	
AC30Q-3/2	30 kVA	1 or 3 Phase	3 Phase	Q1, Q1 DC	2 or 4	
AC40Q-1/2	40 kVA	1 or 3 Phase	1 Phase	Q1, Q1 DC	2 or 4	
AC40Q-3/2	40 kVA	1 or 3 Phase	3 Phase	Q1, Q1 DC	2 or 4	
AC50-1/2	50 kVA	1 or 3 Phase	1 Phase	F, FL, L, M, N, O, Q	2	
AC50-3/2	50 kVA	1 or 3 Phase	3 Phase	F, FL, L, M, N, O, Q	2	
AC50Q-1/2	50 kVA	1 or 3 Phase	1 Phase	Q2	2	
AC50Q-3/2	50 kVA	1 or 3 Phase	3 Phase	Q2	2	
AC60-1/2	60 kVA	1 or 3 Phase	1 Phase	F, FL, L, M, N, O, Q	2	
AC60-3/2	60 kVA	1 or 3 Phase	3 Phase	F, FL, L, M, N, O, Q	2	
AC60Q-1/2	60 kVA	1 or 3 Phase	1 Phase	Q2	2	
AC60Q-3/2	60 kVA	1 or 3 Phase	3 Phase	Q2	2	
AC75-1/2	75 kVA	1 or 3 Phase	1 Phase	F, L, D, I, H, N, O	2	
AC75-3/2	75 kVA	1 or 3 Phase	3 Phase	F, L, D, I, H, N, O	2	
AC75Q-1/2	75 kVA	1 or 3 Phase	1 Phase	Q3	2	
AC75Q-3/2	75 kVA	1 or 3 Phase	3 Phase	Q3	2	
AC90-1/2	90 kVA	1 or 3 Phase	1 Phase	D, I, H, N	2	
AC90-3/2	90 kVA	1 or 3 Phase	3 Phase	D, I, H, N	2	
AC90Q-1/2	90 kVA	1 or 3 Phase	1 Phase	Q3	2	
AC90Q-3/2	90 kVA	1 or 3 Phase	3 Phase	Q3	2	

Three phase input only - Single shore cord



Bulkhead Mount

MODEL	POWER LEVEL	INPUT	OUTPUT	CABINET	# OF CABINETS	COMMENTS
AC12-3L	12 kVA	3 Phase	1 Phase	A	1	170 - 260 V input
AC12-3H	12 kVA	3 Phase	1 Phase	A	1	340 - 520 V input
AC15-3L	15 kVA	3 Phase	1 Phase	A	1	170 - 260 V input
AC15-3H	15 kVA	3 Phase	1 Phase	A	1	340 - 520 V input
AC18-3L	18 kVA	3 Phase	1 Phase	A	1	170 - 260 V input
AC18-3H	18 kVA	3 Phase	1 Phase	A	1	340 - 520 V input

SHORE POWER CONVERTER LIST

Three phase input - Single shore cord



Floor Mount

MODEL	POWER LEVEL	INPUT	OUTPUT	CABINET	# OF CABINETS	COMMENTS
AC50Q-3	50 kVA	3 Phase	3 Phase	Q4	1	
AC55-1	55 kVA	3 Phase	1 Phase	K	1	
AC55-3	55 kVA	3 Phase	3 Phase	K	1	
AC55LC-3	55 kVA	3 Phase	3 Phase	S	1	
AC63Q-3	63 kVA	3 Phase	3 Phase	Q5	1	
AC63-1	63 kVA	3 Phase	1 Phase	K	1	
AC63-3	63 kVA	3 Phase	3 Phase	K	1	
AC63LC-3	63 kVA	3 Phase	3 Phase	S	1	
AC75Q-3	75 kVA	3 Phase	3 Phase	Q5	1	
AC75-1	75 kVA	3 Phase	1 Phase	E, J, K	1	
AC75-3	75 kVA	3 Phase	3 Phase	E, J, K	1	
AC75LC-3	75 kVA	3 Phase	3 Phase	S	1	
AC90-3	90 kVA	3 Phase	3 Phase	G, R, K	1	
AC90LC-3	90 kVA	3 Phase	3 Phase	U	1	
AC100-3	100 kVA	3 Phase	3 Phase	G, R, K	1	
AC100LC-3	100 kVA	3 Phase	3 Phase	U	1	
AC125Q-3H	125 kVA	3 Phase	3 Phase	Q6	1	340 - 520 V input
AC125-3H	125 kVA	3 Phase	3 Phase	R	1	340 - 520 V input
AC125LC-3	125 kVA	3 Phase	3 Phase	U	1	
AC150Q-3H	150 kVA	3 Phase	3 Phase	Q7	1	340 - 520 V input
AC165Q-3H	165 kVA	3 Phase	3 Phase	Q7	1	340 - 520 V input

SHORE POWER CONVERTER LIST

Three phase input - Dual shore cord



Floor Mount

MODEL	POWER LEVEL	INPUT	OUTPUT	CABINET	# OF CABINETS	COMMENTS
AC100Q-3/2	100 kVA	3 Phase	3 Phase	Q4	2	
AC105-1/2	105 kVA	3 Phase	1 Phase	D, I, H, N	2	
AC105-3/2	105 kVA	3 Phase	3 Phase	D, I, H, N	2	
AC110-1/2	110 kVA	3 Phase	1 Phase	J, K	2	
AC110-3/2	110 kVA	3 Phase	3 Phase	J, K	2	
AC110LC-3/2	110 kVA	3 Phase	3 Phase	S	2	
AC125Q-3/2	125 kVA	3 Phase	3 Phase	Q5	2	
AC125-3/2	125 kVA	3 Phase	3 Phase	E, J, K	2	
AC125LC-3/2	125 kVA	3 Phase	3 Phase	S	2	
AC150Q-3/2	150 kVA	3 Phase	3 Phase	Q5	2	
AC150-3/2	150 kVA	3 Phase	3 Phase	E, J, K	2	
AC150LC-3/2	150 kVA	3 Phase	3 Phase	S	2	
AC180-3/2	180 kVA	3 Phase	3 Phase	G, R, K	2	
AC180LC-3/2	180 kVA	3 Phase	3 Phase	U	2	
AC200-3/2	200 kVA	3 Phase	3 Phase	G, R, K	2	
AC200LC-3/2	200 kVA	3 Phase	3 Phase	U	2	

SHORE POWER CONVERTER LIST

Cabinet Dimensions

Cabinet Style	Height (mm / in)	Width (mm / in)	Depth (mm / in)	Air flow in	Air flow out	Comments
A	510 / 20"	585 / 23"	255 / 10"	Bottom	Side	Bulkhead mount
B	570 / 22.4"	740 / 29.13"	305 / 12"	Bottom	Side	Bulkhead mount
C	1045 / 41"	432 / 17"	770 / 30.25"	Back	Front	
D	1045 / 41"	607 / 23.875"	770 / 30.25"	Back	Front	Top or front display
E	1270 / 50"	607 / 23.875"	770 / 30.25"	Back	Front	Top or front display
F	1045 / 41"	458 / 18"	770 / 30.25"	Back	Front	Front display
G	1270 / 50"	607 / 23.875"	864 / 34"	Back	Front	Top or front display
H	635 / 25"	607 / 23.875"	947 / 37.25"	Back	Front	Top or front display
I	1426 / 56.125"	635 / 25"	508 / 20"	Front, bottom, side & rear	Top side or top	
J	1655 / 65.125"	635 / 25"	508 / 20"	Front, bottom, side & rear	Top side or top	
K	1245 / 49"	607 / 23.875"	712 / 28"	Bottom, side & rear	Top	
L	1465 / 57.675"	458 / 18"	534 / 21"	Front, bottom, side & rear	Top	
M	635 / 25"	607 / 23.875"	947 / 37.25"	Back	Front	Top, front or side display
N	1347 / 53"	1521 / 59.875"	254 / 10"	Front	Top	Wall hugger
O	356 / 14"	432 / 17"	610 / 24"	Convection (no fans)		Transformer Cabinet
	610 / 24"	610 / 24"	610 / 24"	Right side	Left side	Control Cabinet
R	1654 / 65.125"	645 / 25"	584 / 23"	Side & rear	Front	Top or front display
S	1067 / 42"	602 / 23.688"	762 / 30"	Liquid cooled		
U	1194 / 47"	680 / 26.75"	878 / 34.53"	Liquid cooled		
Q1	851 / 33.5"	350 / 13.75"	664 / 26.11"	Rear	Front	Front display
Q1DC	534 / 21"	350 / 13.75"	664 / 26.11"	Rear	Front	Inverter module
	534 / 21"	350 / 13.75"	664 / 26.11"	Rear (Low flow)	Front (Low flow)	Transformer with front display
Q2	1016 / 40"	350 / 13.75"	664 / 26.11"	Rear	Front	Front display
Q3	1197 / 47.1"	488 / 19.2"	643 / 25.3"	Rear	Front	Front display
Q4	953 / 37.5"	488 / 19.2"	643 / 25.3"	Rear	Front	Front display
Q5	1080 / 42.5"	488 / 19.2"	643 / 25.3"	Rear	Front	Front display
Q6	1403 / 55.2"	590 / 23.2"	897 / 35.3"	Rear	Front	Front display
Q7	1580 / 62.2"	590 / 23.2"	897 / 35.3"	Rear	Front	Front display

SHORE POWER CONVERTER LIST

Converter & power management options

P/N	DESCRIPTION
Parallel options. Units can interconnect provided they are sited next to one another. Order these cables when siting modules apart	
604151 ⁵	Paralleling Cable (39')
604152 ⁵	Paralleling Cable (50')
604153 ⁵	Paralleling Cable (80')
604156 ⁵	Paralleling Cable (25')
605150 ⁵	Paralleling Cable (15')
605153 ⁵	Paralleling Cable (20')
604919	AC12/AC15/AC18 Paralleling
Remote Panel	
604905	1 or 3 Phase Remote Touch Panel
604933 ⁶	10' RTP CABLE for either 604905 or 604918
RTP1FT	Additional price per foot for cables above 10'
Seamless transfer options	
604901	2 Gen Seamless Xfer
604957-3 & 604957-4	3 or 4 Gen Seamless Xfer
604985	High Impedance Output Option – reqd for third party seamless transfer
Generator auto start, shore power and alarms / interfaces	
604904 ^{1,7}	Generator Auto-Start, Dry Contact for 2 Gens
604983	Generator Auto-Start, 2 Dry Contacts for 2 Gens
604993	Comm ready command option
604949 ⁷	Shore Cord Alarm
604926	Exhaust Fan Switch
604990	M1030 and Overtemp Sensor (90%) - 1 per cabinet for every system with water cooled heat exchangers.
6049848	PLC INTERFACE – Bundled Option
604978	PLC – STO Interface
604986	Modbus Option – 1 RTU Device
604996 ⁹	RS232 to RS485 Interface ModBUS Option – 4 devices + bridge
604997	RS232 to RS485 Interface ModBUS Option – 5 devices + bridge
604938	M1024 Converter or Shore Power ON/OFF via 24VDC Signal
Sundry options	
604969	Isolated Neutral (Master w/STO)
604970	Isolated Neutral (Slave w/STO or Master w/o STO)
604975	AC36/45/54-I Exhaust Stub
604976	AC36/45/54-I Exhaust Cage
604977	AC12 Exhaust Shroud
604987	SV Exhaust Cage Option
610300	Universal Power Supply
703198	Water Temperature Sending Unit (VDO)
703199	Oil Pressure Sending Unit (VDO)
	Modification to enclosure to assist break down / rebuild for installation purposes

NOTES:

- Requires Seamless Transfer Option.
- Requires Seamless Transfer – Can not be used with Generator Auto-Start unless 3 or 4 Generator Seamless Transfer or Generator to Generator Seamless Transfer is installed.
- Requires COCBO (either 1-2 Gens or 3-4 Gens) if converter has Seamless Transfer installed (C/B panels only).
- Standard Paralleling Cable length is 12'.
- P/N 604902 (COCBO) or P/N 604983 (Gen Auto-Start), P/N 604904 (Gen Auto-Start) or P/N 604948 (TIP) and P/N 604949 (Shore Cord Alarm) are available as a Bundled Option for \$1,100.00.
- P/N 604984 is a bundled option which consists of the following: P/N 604901, P/N 604926, 604938, 604949, and 604978.
- 1 Required per RTU Device.

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