



AMPER POWER

Innovate, Integrate, Illuminate

GUANGDONG AMPER POWER TECHNOLOGY CO LTD

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GUANGDONG AMPER POWER
TECHNOLOGY CO LTD

Generator Set Catalogue

An Innovation-Integration-Intelligent Power Consumption Solution Provider



VISION

To be the trusted leader in power consumption solutions, uniting innovation, integration, and intelligence.

MISSION

Empowering sustainable energy futures through innovation and integrated solutions.

CORE VALUES

Act with Integrity, Collaborate without Limits,
Innovate without Fear.

PROFILE · AMPER POWER

Guangdong Amper Power Technology Co., Ltd. is a joint venture established by Singapore-based RELIANT INTERNATIONAL ENGINEERING PTE. LTD (with its domestic subsidiary GUANGDONG RELIANT M&E ENGINEERING CO.,LTD) and Guangdong Anpei Electric Power Co., Ltd., with shareholdings of 70% and 30%, respectively. Leveraging RELIANT INTERNATIONAL's over 20 years of global EPC design and customer service expertise, as well as Anpei Electric's two decades of production experience, the company is committed to expanding its range of power products, particularly in the field of new energy project power equipment, to further develop sales channels and optimize industrial structure.

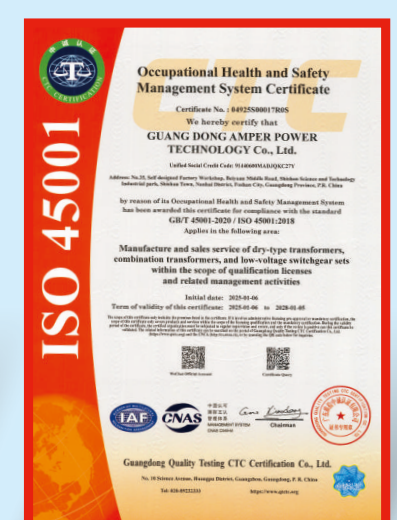
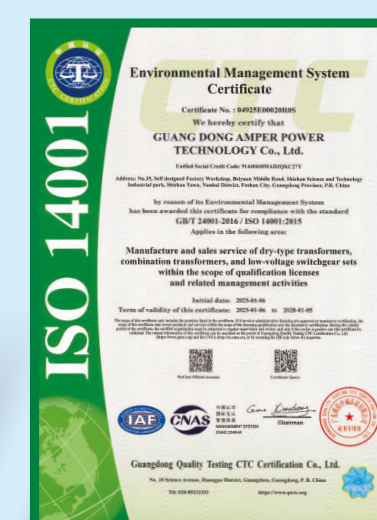
Amper Power Technology is a modern enterprise integrating R&D, production, sales, and service, specializing in providing power equipment and solutions. Equipped with state-of-the-art facilities and a team of highly skilled management professionals, the company has established a comprehensive sales and information network across the nation and beyond. Our technical service team is capable of responding to customer needs in major countries and regions across five continents within 24 hours.

With a proven track record of successful projects, such as the Singapore Changi Airport generator set project, the Philippines package substation project, the Singapore Ministry of Defense oil transformer replacement project, and more, AMPER POWER has emerged as a leader in the power equipment industry. Our main products include generator sets, new energy storage equipment, high and low voltage switchgear, combined substations (American-style box transformers), prefabricated substations (European-style box transformers), 35kV and below wind and photovoltaic power generation Chinese-style box transformers, and technical development services for new power products.





CERTIFICATES



TECHNICAL PARAMETERS

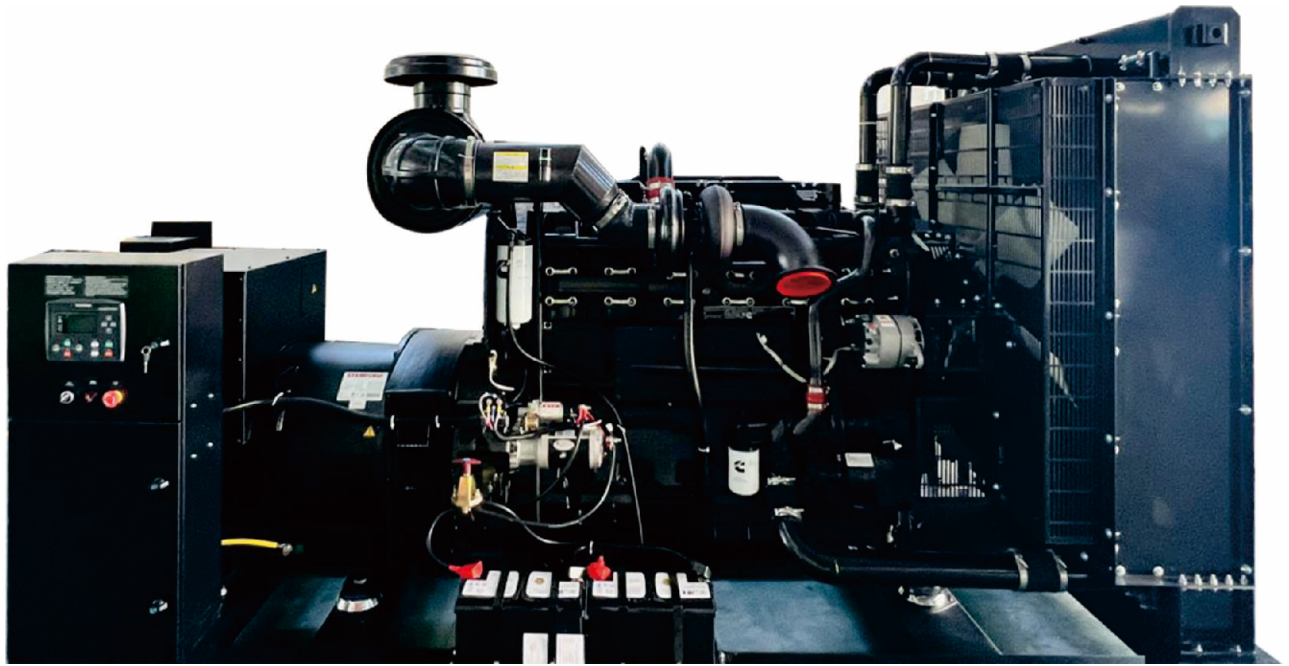
Cummins Series

Genset Technical Specifications					Diesel Engine Technical Specifications					
Genset Model	Prime/ Standby (KW)	Rated Current (A)	Open Genset Dimension (mm)	Open Genset Weight (Kg)	Engine Model	Fuel Consumption Rate (g/kw.h)	Number of Cylinders	Bore x Stroke (mm)	Displacement (L)	Oil Capacity (L)
APC28*	20/22	36	1700*720*1200	800	4B3.9-G2	208	4	102*120	3.9	11
APC41*	30/33	54	1700*720*1200	850	4BT3.9-G2	208	4	102*120	3.9	11
APC62*	45/49.5	81	1800*750*1200	950	4BTA3.9-G2	210	4	102*120	3.9	11
APC69*	50/55	90	1800*750*1200	950	4BTA3.9-G2	210	4	102*120	3.9	11
ACP83*	60/66	108	1800*750*1200	950	4BTA3.9-G11	210	4	102*120	3.9	11
APC110*	80/88	144	2250*800*1300	1300	6BT5.9-G2	210	6	102*120	5.9	16
APC138*	100/110	180	2300*800*1300	1500	6BTA5.9-G2	207	6	102*120	5.9	20
APC150*	110/120	198	2400*760*1200	1700	6BTAA5.9-G2	207	6	102*120	5.9	24
APC165*	120/132	216	2400*800*1280	800	6BTAA5.9-G12	207	6	102*120	5.9	24
APC206*	150/165	270	2400*970*150C	2100	6CTA8.3-G2	207	6	114*135	8.3	24
APC247*	180/198	324	2500*970*150	2300	6CTAA8.3-G2	207	6	114*135	8.3	24
APC275*	200/220	360	2600*970*1500	2500	6LTA8.9-G2	207	6	114*135	8.9	28
APC275*	200/220	360	2600*970*150C	2500	NT855-GA	206	6	140*152	14	38
APC316*	230/253	414	2800*1000*1500	2600	NTA855-G1	206	6	140*152	14	38
APC344*	250/275	450	3000*1050*1750	2700	NTA855-G1A	207	6	140*152	14	38
APC385*	280/308	504	3050*1050*1750	2800	NTA855-G2A	206	6	140*152	14	38
AP413C*	300/330	540	3100*1050*1750	2900	6ZTAA13-G2	200	6	130*163	13	45
APC413*	300/330	540	3100*1050*1750	2900	NTA855-G4	205	6	140*152	14	38
APC413B*	300/330	540	3100*1050*1750	2900	NTAA855-G7	205	6	140*152	14	38
APC440*	320/352	576	3150*1050*1750	3000	QSNT-G3	201	6	140*152	14	38
APC440B*	320/352	576	3300*1250*1850	3200	NTAA855-G7A	205	6	140*152	14	38
APC495*	360/396	648	3300*1400*1970	3600	KTA19-G3	210	6	159*159	18.9	50
APC550*	400/440	720	3300*1400*1970	3600	KTA19-G4	206	6	159*159	18.9	50
APC619*	450/495	810	3300*1400*1970	3650	KTAA19-G6	206	6	159*159	18.9	50
APC660*	480/528	864	3300*1400*1970	3650	KTA19-G8	206	6	159*159	18.9	50
APC688*	500/550	900	3300*1400*1970	3650	KTAA19-G6A	206	6	159*159	18.9	50

Cummins Series

Genset Technical Specifications					Diesel Engine Technical Specifications					
Genset Model	Prime/ Standby (KW)	Rated Current (A)	Open Genset Dimension (mm)	Open Genset Weight (Kg)	Engine Model	Fuel Consumption Rate (g/kw.h)	Number of Cylinders	Bore x Stroke (mm)	Displacement (L)	Oil Capacity (L)
APC825*	600/660	1080	3800*1800*2450	7400	KT38-GA	206	6	159*159	18.9	100
APC825*	600/660	1080	4000*1800*2450	7500	KTA38-G2	206	12	159*159	37.8	100
APC880*	640/704	1152	4400*1750*2450	8000	KTA38-G2B	206	12	159*159	37.8	100
APC990*	720/792	1296	4500*1750*2450	8200	KTA38-G2A	206	12	159*159	37.8	100
APC1000*	800/880	1440	4500*1900*2350	8800	KTA38-G5	208	12	159*159	37.8	120
APC1257*	900/990	1620	4500*1900*2450	9500	KTA38-G9	208	12	159*159	37.8	135
APC1375*	1000/1100	1800	4800*1900*2450	9800	QSK38-G5	196	12	159*159	37.8	151
APC1375*	1000/1100	1800	5000*2000*2240	10000	KTA50-G3	205	16	159*159	50.3	177
APC1513*	1100/1210	1980	5600*2000*2240	10500	KTA50-G8	205	16	159*159	50.3	204
APC1650*	1200/1320	2160	5600*2280*2500	10700	KTA50-GS8	205	16	159*159	50.3	204

Genset Model Description: For example, "APC880*": AP — Amper Power; C — Cummins; 880 — Power in KVA; * — Generator (F.S.M.E).
Note: Due to various customization factors such as dimensions, weight, and appearance, which may vary based on the engine generation or configuration selected by the customer, the images are for reference only. The actual product shall prevail.



APC1000M -- Cummins paired with Marathon 800KW generator set

TECHNICAL PARAMETERS

Weichai Series

Genset Technical Specifications					Diesel Engine Technical Specifications					
Genset Model	Prime/ Standby (KW)	Rated Current (A)	Open Genset Dimension (mm)	Open Genset Weight (Kg)	Engine Model	Fuel Consumption Rate (g/kw.h)	Number of Cylinders	Bore x Stroke (mm)	Displacement (L)	Oil Capacity (L)
APW28*	20/22	36	1700*720*1200	800	WP3.2D33E310	208	4	98*105	3.2	9
APW41*	30/33	54	1700*720*1200	850	WP3.2D44E310	208	4	98*105	3.2	9
APW69*	50/55	90	1800*750*1200	950	WP4.1D66E310	210	4	105*118	4.1	13
APW83*	60/66	108	1800*750*1200	950	WP4.1D84E310	210	4	105*118	4.1	13
APW110*	80/88	144	2250*800*1300	1300	WP4.1D105E310	210	4	105*118	4.1	13
APW138*	100/110	180	2300*800*1300	1500	WP4.6ND138E310	207	4	108*125	4.6	16
APW165*	120/132	198	2400*760*1200	1700	WP4.6ND148E310	207	4	108*125	4.6	16
APW206*	150/165	270	2600*1170*1500	2100	WP7D216E310	207	6	108*136	7.0	24
APW247*	180/198	324	2600*1170*1500	2300	WP7D240E310	207	6	108*136	7.0	24
APW275*	200/220	360	2600*970*1500	2360	WP7D264E310	207	6	108*136	7.0	24
APW344*	250/275	450	3000*1050*1750	2700	WP10D320E350	207	6	126*130	9.73	24
APW385*	280/308	504	3050*1050*1750	2800	WP10D320E350	206	6	126*130	9.73	24
APW440*	320/352	576	3150*1050*1750	3200	WP13D385E310	201	6	127*165	12.54	36
APW550*	400/440	720	3300*1400*1970	3600	WP13D490E310	206	6	127*165	12.54	36
APW688*	500/550	900	3800*1600*2070	5050	6M33D633E310	206	6	150*185	19.6	61
APW825*	600/660	1080	3800*1800*2450	5100	6M33D725E310	206	6	150*185	19.6	61
APW825*	600/660	1080	4000*1800*2450	5800	6M33D670E200	206	6	150*185	19.6	61
APW880*	640/704	1152	4400*1750*2450	6900	8M33D800E200	206	8V	150*185	26.14	105
APW990*	720/792	1296	4500*1750*2450	6900	8M33D895E310	206	8V	150*185	26.14	106
APW1100*	800/880	1440	4500*1900*2350	6900	8M33D975E310	208	8V	150*185	26.14	106
APW1375*	1000/1100	1800	4800*1900*2450	9800	12M33D1108E200	196	12V	150*185	39.2	146
APW1375*	1000/1100	1800	5000*2000*2240	8500	12M33D1240E310	205	12V	150*185	39.2	146
APW1500*	1100/1210	1980	5000*2000*2240	8600	12M33D1320E200	205	12V	150*185	39.2	146
APW1650*	1200/1320	2160	5000*2280*2500	10700	12M33D1500E310	205	12V	150*185	39.2	146
APW2060*	1500/1650	2700	6300*2280*2500	12900	16M33D1800E310	205	16V	159*159	52.3	172
APW2500*	1800/2000	3240	6600*2680*2900	16400	12M55D2210E310	205	12V	180*215	65.65	380
APW2750*	2000/2200	2160	5000*2280*2500	10700	12M55D2700E310	205	12V	180*215	65.65	380

Genset Model Description: For example, "APW880*": AP — Amper Power; W — Weichai; 880 — Power in KVA; * — Generator (F.S.M.E).

Shangchai Series

Genset Technical Specifications					Diesel Engine Technical Specifications					
Genset Model	Prime/ Standby (KW)	Rated Current (A)	Open Genset Dimension (mm)	Open Genset Weight (Kg)	Engine Model	Fuel Consumption Rate (g/kw.h)	Number of Cylinders	Bore x Stroke (mm)	Displacement (L)	Oil Capacity (L)
APS69*	50/55	90	1800*750*1200	950	4HTAA4.3-G32	210	4	105*124	4.3	16
APS83*	60/66	108	1800*750*1200	950	4HTAA4.3-G33	210	4	105*124	4.3	16
APS110*	80/88	144	2050*800*1300	1000	4HTAA4.3-G34	210	4	105*124	4.3	16
APS138*	100/110	180	2300*800*1300	1500	4HTAA4.3-G36	207	4	105*124	4.3	20
APS165*	120/132	216	2400*800*1280	800	SC7H205D2	207	6	105*124	6.5	24
APS206*	150/165	270	2400*970*150C	2100	SC7H250D2	207	6L	105*124	6.5	24
APS247*	180/198	324	2500*970*150	2300	SC8D280D2	207	6L	114*135	8.3	24
APS275*	200/220	360	2600*970*1500	2500	SC9D340D2	207	6L	114*135	8.9	28
APS316*	230/253	414	2800*1000*1500	2600	SC13G420D2	206	6L	128*153	12.8	38
APS344*	250/275	450	3000*1050*1750	2700	SC13G420D2	207	6L	128*153	12.8	38
APS385*	280/308	504	3050*1050*1750	2800	SC12E460D2	206	6L	128*153	11.8	38
APS413*	300/330	540	3100*1050*1750	2900	SC15G500D2	200	6L	135*165	14.2	45
APS440*	320/352	576	3150*1050*1750	3000	6ETAA12.8-G32	201	6L	130*161	12.8	38
APS495*	360/396	648	3300*1400*1970	3600	SC25G610D2	210	12V	135*150	25.8	50
APS550*	400/440	720	3300*1400*1970	3600	SC25G690D2	206	12V	135*150	25.8	50
APS619*	450/495	810	3300*1400*1970	3650	6KTAA25-G310	206	6L	170*185	25.2	50
APS660*	480/528	864	3300*1400*1970	3650	SC25G755D2	206	12V	135*155	25.2	50
APS688*	500/550	900	3300*1400*1970	3650	SC27G830D2	206	12V	135*155	26.6	50
APS825*	600/660	1080	3800*1800*2450	7400	6KTAA25-G32	206	6L	170*185	25.2	100
APS825B*	600/660	1080	4000*1800*2450	7500	SC27G900D2	206	12V	135*155	26.6	100
APS880*	640/704	1152	4400*1750*2450	8000	6KTAA25-G31	206	6L	170*185	25.2	100
APS990*	720/792	1296	4500*1750*2450	8200	6WTAA35-G32	206	6L	186*215	35.1	100
APS1100*	800/880	1440	4500*1900*2350	8800	6WTAA35-G31	208	6L	186*215	35.1	120
APS1100*	800/880	1440	4500*1900*2350	8800	6WTAA35-G31	208	6L	186*215	35.1	120
APS1257*	900/990	1620	4500*1900*2450	9500	6WTAA35-G310	208	6L	186*215	35.1	135
APS1375*	1000/1100	1800	4800*1900*2450	9800	6WTAA35-G311	196	6L	186*215	35.1	151
APS1375*	1000/1100	1800	4800*1900*2450	9800	12KTA58-G37	196	12V	170*210	57.2	151
APS1650*	1200/1320	2160	5600*2280*2500	10700	12KTA58-G35	205	12V	170*210	57.2	204
APS2060*	1500/1650	2700	6300*2280*2500	12900	12KTA58-G33	205	12V	170*210	57.2	172
APS2500*	1800/2000	3240	6600*2680*2900	16400	12KTA58-G31	205	12V	170*210	57.2	380
APS2750*	2000/2200	2160	5000*2280*2500	10700		205	12V	180*215	65.65	380

Genset Model Description: For example, "APS880*": AP — Amper Power; S — Shangchai; 880 — Power in KVA; * — Generator (F.S.M.E).

TECHNICAL PARAMETERS

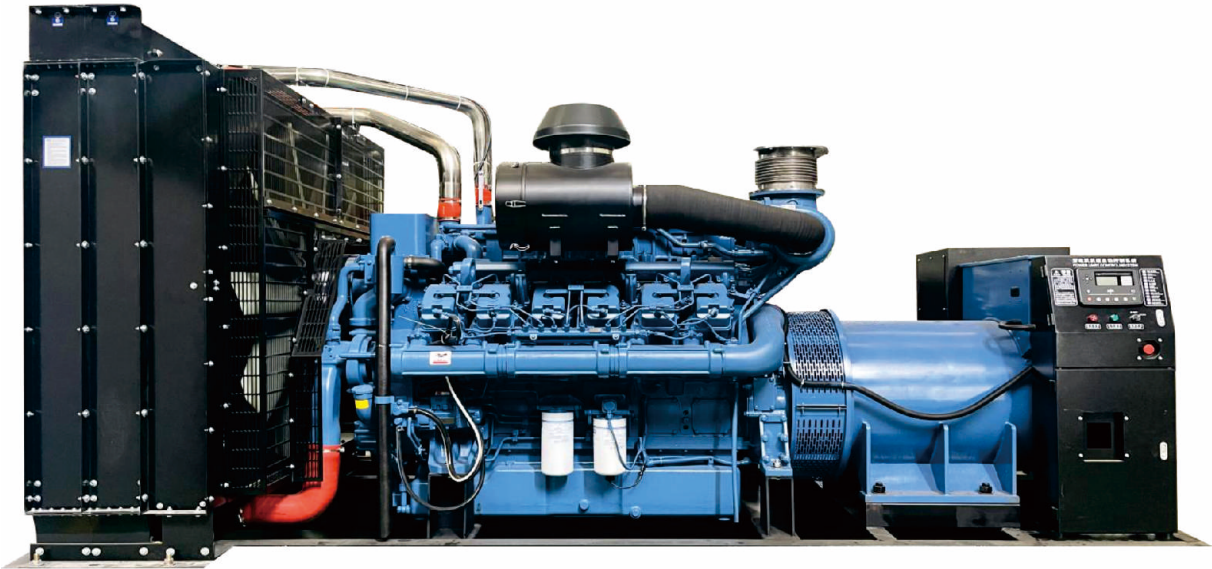
Yuchai Series

Genset Technical Specifications					Diesel Engine Technical Specifications					
Genset Model	Prime/ Standby (KW)	Rated Current (A)	Open Genset Dimension (mm)	Open Genset Weight (Kg)	Engine Model	Fuel Consumption Rate (g/kw.h)	Number of Cylinders	Bore x Stroke (mm)	Displacement (L)	Oil Capacity (L)
APY21-2*	15/16.5	27	1500*700*1000	550	YC2108D	225	2	108*120	2.199	6.5
APY28-2*	20/22	36	1500*750*1050	700	YC2115D	225	2	115*120	2.493	6.5
APY41-2*	30/33	54	1500*800*1050	750	YC2115ZD	225	2	115*120	2.493	6.5
APY41-2*	30/33	54	1500*800*1050	750	YC4D60-D21	205	4	108*115	11	13
APY55-3*	40/44	72	1550*600*1100	800	YC4D80-D34	215	4	108*115	4.21	13
APY69-3*	50/55	90	1550*600*1100	800	YC4D90-D34	205	4	108*115	4.21	13
APY83-3*	60/66	108	1600*650*1150	1000	YC4D105-D34	205	4	108*115	4.21	13
APY110-3*	80/88	144	1700*700*1200	1100	YC4A140-D31	205	4	108*115	4.21	13
APY124-3*	90/99	162	1700*700*1200	1200	YC4A155-D31	205	4	108*115	4.21	13
APY138-3*	100/110	180	2000*750*1250	1300	YC4A165-D30	210	4	108*132	4.84	17
APY165-3*	120/132	216	2500*1100*1350	1600	YC6A205-D30	200	6	108*132	7.25	22
APY193-3*	140/154	252	2500*1100*1350	1600	YC6A230-D30	200	6	108*132	7.25	22
APY206-3*	150/165	270	2500*1100*1350	1700	YC6A245-D30	200	6	108*132	7.25	22
APY220-3*	160/176	288	2500*1100*1350	1800	YC6A275-D30	200	6	108*132	7.25	22
APY275-3*	200/220	360	3100*1 50*1600	2300	YC6MK350-D30	195	6	123*145	10.34	30
APY344-3*	250/275	450	3100*1150*1600	2300	YC6MK420-D30	195	6	123*145	10.34	30
APY385-3*	280/308	504	3150*1150*1600	2350	YC6MK450-D30	195	6	123*145	10.34	30
APY413-3*	300/330	540	3150*1150*1650	2450	YC6K500-D31	192	6	129*155	12.16	36
APY440-3*	320/352	576	3200*1200*1650	2900	YC6K520-D30	192	6	129*155	12.16	36
APY495-3*	360/396	648	3500*1350*1700	3200	YC6K600-D30	195	6	145*166	16.35	52
APY550-3*	400/440	720	3500*1350*1700	3300	YC6T660-D31	195	6	145*166	16.35	52
APY619-3*	450/495	864	3550*1360*1700	4200	YC6TD780-D31	195	6	152*180	19.6	52
APY688-3*	500/550	900	3550*1360*1700	4400	YC6TD840-D31	195	6	152*180	19.6	52
APY770-3*	560/616	990	3600*1400*1750	4600	YC6TD900-D31	195	6	152*180	19.6	52
APY825A-3*	600/660	1080	600* 1400*1750	4800	YC6TD1000-D30	195	6	152*180	19.6	52

Yuchai Series

Genset Technical Specifications					Diesel Engine Technical Specifications					
Genset Model	Prime/ Standby (KW)	Rated Current (A)	Open Genset Dimension (mm)	Open Genset Weight (Kg)	Engine Model	Fuel Consumption Rate (g/kw.h)	Number of Cylinders	Bore x Stroke (mm)	Displacement (L)	Oil Capacity (L)
APY825B-3*	600/660	1080	4500*1500*2200	8000	YC6C1020-D31	195	6	200*210	39.58	180
APY880-3*	640/704	1152	4500*1500*2200	8200	YC6C1070-D31	195	6	200*210	39.58	180
APY990-3*	720/792	1296	4500*1500*2200	8400	YC6C1220-D31	195	6	200*210	39.58	180
APY1100-3*	800/880	1440	4500*1500*2200	8600	YC6C1320-D31	195	6	200*210	39.58	180
APY1238-3*	900/990	1620	4500*1500*2200	9000	YC6C1520-D31	195	6	200*210	39.58	180
APY1375-3*	1000/1100	1800	5400*2100*2600	14000	YC12VC1680-D31	196	12	200*210	79.17	340
APY1650-3*	1200/1320	2160	5400*2100*2600	14200	YC12VC2070-D31	196	12	200*210	79.17	340
APY1856-3*	1350/1485	2430	5400*2100*2600	14600	YC12VC2270-D31	196	12	200*210	79.17	340
APY2063-3*	1500/1650	2700	5600*2200*2650	14800	YC12VC2510-D31	196	12	200*210	79.17	340
APY2200-3*	1600/1760	2880	5600*2200*2650	15000	YC12VC2700-D31	196	12	200*210	79.17	370
APY2475-3*	1800/1980	3240	6800*2600*3200	17000	YC16VC3000-D31	195	16	200*210	105.56	430
APY2752-3*	2000/2200	3600	6900*2600*3200	19000	YC16VC3300-D31	195	16	200*210	105.56	430
APY3025-3*	2200/2420	3960	7000*2600*3200	21000	YC16VC3600-D31	195	16	200*210	105.56	430

Genset Model Description: For example, "APY880*": AP — Amper Power; Y — Yuchai; 880 — Power in KVA; * — Generator (F.S.M.E).
Note: Due to various customization factors such as dimensions, weight, and appearance, which may vary based on the engine generation or configuration selected by the customer, the images are for reference only. The actual product shall prevail.



APY1650-3E: Yuchai Power paired with Engga 1200KW genset

TECHNICAL PARAMETERS

Enclosed Genset Series			
Model	Soundproof Enclosure		
	Fuel Tank Capacity (L)	Dimensions (Length × Width × Height)	Weight (kg)
APG16.5/L1	55	1900×720×1100	660
APG22/L1	55	1900×720×1100	670
APG27.5/L1	55	1900×720×1100	688
APG33/L1	55	2250×850×1100	693
APG41/L1	55	2250×850×1100	737
APG55/L1	55	2250×850×1100	1210
APG68.5/L1	180	2880×1050×1700	1350
APG88/L1	180	2880×1050×1700	1500
APG110/L1	180	2880×1050×1700	1600
APG137.5/L9	310	3200×1100×1850	2000
APG165/L9	310	3200×1100×1850	2100
APG187.5/L9	310	3200×1100×1850	2100
APG206/L8	460	3900×1350×2050	3090
APG250/L8	460	3900×1350×2050	3120
APG275L8	460	3900×1350×2050	3220
APG344/L8	510	4200×1350×2050	3620
APG375L8	510	4200×1350×2050	3760
APG412.5/L8	510	4200×1350×2050	3820
APG440/L8	520	4450×1400×2200	3800
APG687.5/L7	650	5300×2100×2780	7200
APG825/L73	650	5500×2180×2780	7400

Soundproof Enclosure Generator Sets Overview

- Capacity Range: 16.5 to 825 kVA
- Configuration: Three-phase AC diesel generator sets
- Design: Kairui Power's soundproof models are engineered for superior noise attenuation and ease of maintenance, with convenient disassembly. The enclosure houses a muffler, fuel tank, and battery.
- Construction: The robust casing is designed for transportability and outdoor use, ensuring straightforward installation and relocation of the generator sets.

AMPER POWER GENSET · FEATURES & ADVANTAGES

AMPER POWER GENSET delivers reliable, safe, energy-efficient, environmentally friendly, and intelligent power solutions for backup and base station applications. These versatile units are designed for use across a wide range of industries, including mining, ports, telecommunications, transportation, airports, hotels, and data centers. Engineered to withstand extreme environments such as islands, deserts, high-altitude areas, and polar regions, our generator sets provide robust performance under the most demanding conditions.

Open-Frame Gensets

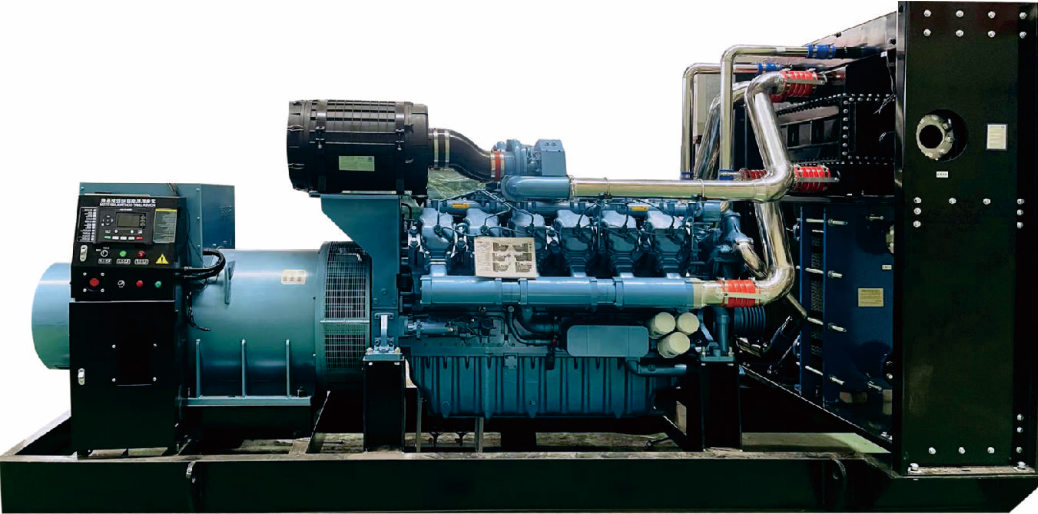
Amper Power's open-frame diesel generator sets are built on heavy-duty channel steel bases, coated with rust-resistant paint for long-term durability. These units feature vibration-damping components and lifting eyes for easy mobility. The integrated fuel tank supports up to 8 hours of continuous operation. Customized designs are available to meet specific customer requirements.

Power Range:

8-2400 kW (10-3000 kVA)

Key Features

- Safety Compliance: Designed to meet international safety standards.
- Modern Power Management: Equipped with open-protocol communication and dedicated PLC software for real-time remote monitoring.
- Compact and Durable Base: Reinforced design for easy transportation, lifting, and towing.
- Precision Cooling System: Designed to ensure reliable performance for continuous, 24/7 operation.
- Smooth Operation: High-efficiency vibration damping for stable generator operation.
- Reliable Control: Utilizes control modules from internationally renowned brands, offering comprehensive control and protection.
- Enhanced Reliability: Diverse optional configurations act as a buffer to enhance the reliability of the control system.





Containerized Gensets

Integrating advanced generators with a compact container structure, the Containerized Generator Sets by Amper Power are designed for ease of transportation and deployment. These units combine cooling systems, fuel supply systems, and control systems into a single, mobile unit compatible with standard transportation vehicles. Available in standard 20-foot, 40-foot, and high-cube 40-foot container sizes, the design follows ISO container standards.

Key Features

- **CSC/CCS Certified Containers:** Entire containerized units are transport-ready, cost-efficient, and fully compliant with international shipping standards.
- **Internal Fireproof Lighting:** Two fireproof lights inside the container and one mounted on the control panel ensure ease of operation and maintenance.
- **Dual-Access Design:** The container can be accessed from both front and rear, with additional doors on the sides and a ladder for convenient rooftop access.
- **Rugged Construction:** All hinges, locks, and fasteners are made of robust steel, with interior components protected against waves and rain.
- **User-Friendly Layout:** The control panel and output panel are located on the same side of the container for easy operation and connectivity.
- **Standard PMG:** Ensures easy start-up and stable power output.
- **Special Design for Fuel System and Exhaust:** Optimized fuel tank, drain pipes, and muffler for their reliability.
- **High-Performance Sound Insulation:** Utilizing advanced soundproofing materials to achieve high noise reduction efficiency while ensuring durability.

Trailer-Mounted Gensets

Amper Power's Trailer-Mounted Generator Sets feature diesel generator units mounted on single- or tandem-axle trailers, equipped with internal spring dampers and braking systems to ensure flexible and safe operation. The built-in fuel tank provides up to 24 hours of continuous full-load power supply. Optional features such as cable reels, cable connectors, and noise attenuation systems are available upon customer request.

Key Features

- **Sound-Attenuated Design:** Based on a silenced generator set structure.
- **Robust Construction:** Manual anti-slip and emergency skid features included.
- **Adjustable Trailer Height:** Height can be adjusted via bolts to accommodate various trucks.
- **Mechanical Support Legs:** Four mechanical support legs around the trailer and an operational platform on three sides.
- **Lighting:** Equipped with turn signals and anti-slip lights.
- **Lifting Capability:** The entire unit can be lifted from the top.



Enclosed Gensets

The sound-attenuated enclosures are lined with acoustic sponge for effective noise reduction. Each door is sealed with rubber gaskets to ensure airtight performance. The enclosure features a ventilation system and louvered windows to prevent water and debris ingress. A double-layered, high-efficiency muffler system achieves minimal noise levels. The modular enclosure design includes indicator lights and maintenance access doors, simplifying installation, operation, and service. The medium- and low-noise diesel generator sets achieve noise levels as low as 70 dB(A) (LP7m). Internal fuel tank installation is available based on customer requirements.



Engine Brand Introduction

Amper Power's generator sets have been honed through extensive market experience. We prioritize customer needs, meticulously selecting engines, generators, and control systems to maximize technical performance and value.

Curated Engine Brands

We offer a selection of mid-to-high-end engine brands, including Cummins, Weichai Power, Shanghai Diesel Engine Co., Ltd. (Shangchai), Guangxi Yuchai (Yuchai), and Shanghai Kaixun, catering to diverse and specific customer requirements.



Cummins Engines

Founded in 1919 and headquartered in Columbus, Indiana, Cummins serves customers through a network of 550 distribution centers and over 5000 dealers across more than 160 countries. Employing 34,600 people worldwide, Cummins is a leading manufacturer of power equipment, offering engines and related technologies such as fuel systems, controls, air intake, filtration, exhaust treatment, and power systems, along with comprehensive after-sales services.



Weichai Power Engines

Established in 1946, Weichai Power employs 80,000 people globally and ranks among the top in China's machinery industry. It maintains a state-of-the-art enterprise technology center and a national key laboratory for engine reliability. With R&D centers in the USA, Europe, and across China, Weichai ensures its technological edge. The Weichai series of power generation engines are known for their high reliability, economic efficiency, user-friendliness, and adaptability.



Shanghai Diesel Engine Co., Ltd. Engines (Shangchai)

Originally founded in 1947, Shanghai Diesel Engine Co., Ltd. was restructured into a state-controlled company issuing A and B shares in 1993. It is now part of SAIC Group, a major high-tech enterprise engaged in the development and manufacturing of engines, components, and generator sets. The company boasts a national technology center, a postdoctoral research station, world-class automated production lines, and a quality management system that meets stringent passenger car standards.



Guangxi Yuchai Engines (Yuchai)

Founded in 1951 and restructured into a joint-stock company in 1992, Guangxi Yuchai Machinery Co., Ltd. was the first in its industry to list on the New York Stock Exchange in 1994 (stock code NYSE: CYD). Headquartered in Yulin, Guangxi, the company operates nine subsidiaries and production bases in various locations, including Guangxi, Jiangsu, Anhui, and Shandong. As China's largest independent diesel engine manufacturer, Yuchai offers a comprehensive range of internal combustion engines, with an annual production capacity of 700,000 units and sales revenue exceeding 20 billion yuan. Its global network of over 3000 service centers ensures robust after-sales support.



Curated Generator Brands

We present a lineup of premium generator brands, including Faraday, Stamford, Marathon (Shanghai), Engga (Yangjiang), EvoTec (Anhui), and Nianfeng (Fujian), tailored to your diverse and specific requirements.

Curated Generator Brands



Faraday (FARADAY)

A Sino-European venture, Faraday specializes in crafting high-efficiency, reliable AC and DC generators for a variety of voltages. By integrating cutting-edge power generation technology with advanced management practices, Faraday excels in product customization, global market expansion, and service network development. It serves as a trusted partner for leading generator manufacturers, marine equipment providers, oil and gas field suppliers, military product producers, and construction machinery companies worldwide.

The product range extends from high-speed and medium-speed generators with outputs varying from 6.5 kW to 3000 kW for low voltage, 500 kW to 5000 kW for high voltage, 240 kW to 10000 kW for medium speed, and 5 kW to 24 kW for DC, to 12 kW to 2000 kW for marine applications.



Stamford (Wuxi)

Stamford enjoys a stellar reputation in diesel generator manufacturing and is a key player in developing military power sources, holding a vice-chair position in the China Electrical Industry Association's internal combustion engine power generation division. With over four decades of experience in military and civilian power generation, the company offers compact, reliable products and maintains an extensive service network. Wuxi Stamford's technical team is renowned for its expertise and prompt service, meeting customer needs effectively. The company is ISO9001-2000 and GJB9001A-2001 certified, reflecting its commitment to quality.



Marathon (Shanghai)

Established in 1996, Shanghai Marathon Innovation Electric is a joint venture between the American Marathon Electric Group and Shanghai Electric. It produces state-of-the-art brushless AC generators ranging from 5 kW to 3000 kW, leveraging American design and manufacturing techniques. Certified under ISO9001:2015, the company holds 42 patents from the National Intellectual Property Administration. Its reliable and high-performance generators are utilized across railways, industries, hospitals, military, marine, refrigerated containers, telecommunications, port machinery, and significant international projects.



Engga (Yangjiang)

Engga is a joint venture dedicated to the research, development, manufacturing, and sales of generators. It boasts provincial-level technical and R&D centers, a 2.4 MW generator test facility, and a substantial manufacturing base. Engga adheres to ISO 9001-2000 standards in producing three-phase synchronous generators for land and marine use, wind energy generators, and high-voltage salient-pole synchronous generators. With an annual capacity of 30,000 units, Engga's products are pivotal in military, communications, petroleum, aviation, air defense, and highway applications, providing mobile, temporary, backup, and wind farm power solutions.

Control Module

Selectable Modules:

Our generator sets feature a range of control modules including SmartGen HGM6110, HGM9510, Deep Sea DSE 7320MKII, DSE 8610MKII, ComAp AMF25, Ig200, designed for managing single or multiple generator sets in parallel.

Automatic Main Failure (AMF) Module:

- Deep Sea - DSE 7320MKII
- ComAp - AMF25
- SmartGen - HGM 6120CAM

Automatic Synchronization Module:

- Deep Sea - DSE 8610MKII
- ComAp - Ig200
- SmartGen - HGM 9510CAM

Key Features

- LCD Display: A 132×64 pixel backlit LCD offering multilingual support in eight languages (Chinese, English, Spanish, Russian, Portuguese, Turkish, Polish, French) with a user-friendly touch button interface.
- Controller Capabilities: Equipped with 5 programmable digital inputs, 6 relay outputs (including fuel and start functions), and 3 sensor inputs.
- Control and Protection: Enables automatic operation of generator sets, load management, and comprehensive fault detection with protective shutdown capabilities.
- Auxiliary Functions: Includes power-down shutdown, idle speed control, pre-heating, and variable speed control, all managed through relay outputs.
- Parameter Configuration: Users can customize settings, which are securely stored in internal FLASH memory and retain data during power outages. Adjustments can be made via the front panel or through a USB connection using a PC.
- Emergency Start: Supports emergency startup procedures.
- Versatile Power Supply: Operates on a broad DC voltage range of 8-35V, compatible with diverse battery configurations.
- Maintenance Features: Allows scheduling of maintenance based on date or runtime, with customizable warning or shutdown alerts.
- Logging and Scheduling: Incorporates historical logging, real-time clock, and the ability to schedule automatic start/stop operations on a monthly, weekly, or daily basis, with options for load-bearing starts.

Automatic Transfer Switch (ATS) Cabinet

- The ATS cabinet is designed to automatically activate the emergency generator set within a pre-configurable time interval when the mains voltage falls below the normal threshold. It then seamlessly transfers the electrical load from the mains to the emergency generator set to ensure continuous power supply.
- Upon restoration of mains voltage to normal levels, the ATS automatically reverts the load back to the mains supply and subsequently shuts down the generator set.

This system enables fully automatic switching between the primary and backup power sources without the need for manual operation.

Rated Current (A)	Suyang	Schneider	ABB
	ATS Model	ATS Model	ATS Model
40A	SYK2-40A	WTS-B40/4A	OTM40F4CM230V
63A	SYK2-63A	WTS-B63/4A	OTM63F4CM230V
80A	SYK2-80A		OTM80F4CM230V
100A	SYK2-100A	WTS-B100/4A	OTM100F4CM230V
125A	SYK1-125A	WTS-B125/4A	OTM125F4CM230V
160A	SYK1-160A	WTS-B160/4A	OTM160F4CM230C
250A	SYK1-250A	WTS-B250/4A	OTM250F4CM230C
400A	SYK1-400A	WTS-B400/4A	OTM400F4CM230C
630A	SYK1-630A	WTS-B630/4A	OTM630F4CM230C
800A	SYK1-800A	/	OTM800F4CM230C
1000A	SYK1-1000A	/	OTM1000F4CM230C
1250A	SYK1-1250A	/	OTM1250F4CM230C
1600A	SYK1-1600A	/	OTM1600F4CM230C
2000A	SYK1-2000A	/	OTM2000F4CM230C
2500A	SYK1-2500A	/	OTM2500F4CM230C
3200A	SYK1-3200A	/	/



Connected Intelligence for Sustainable Power Generation

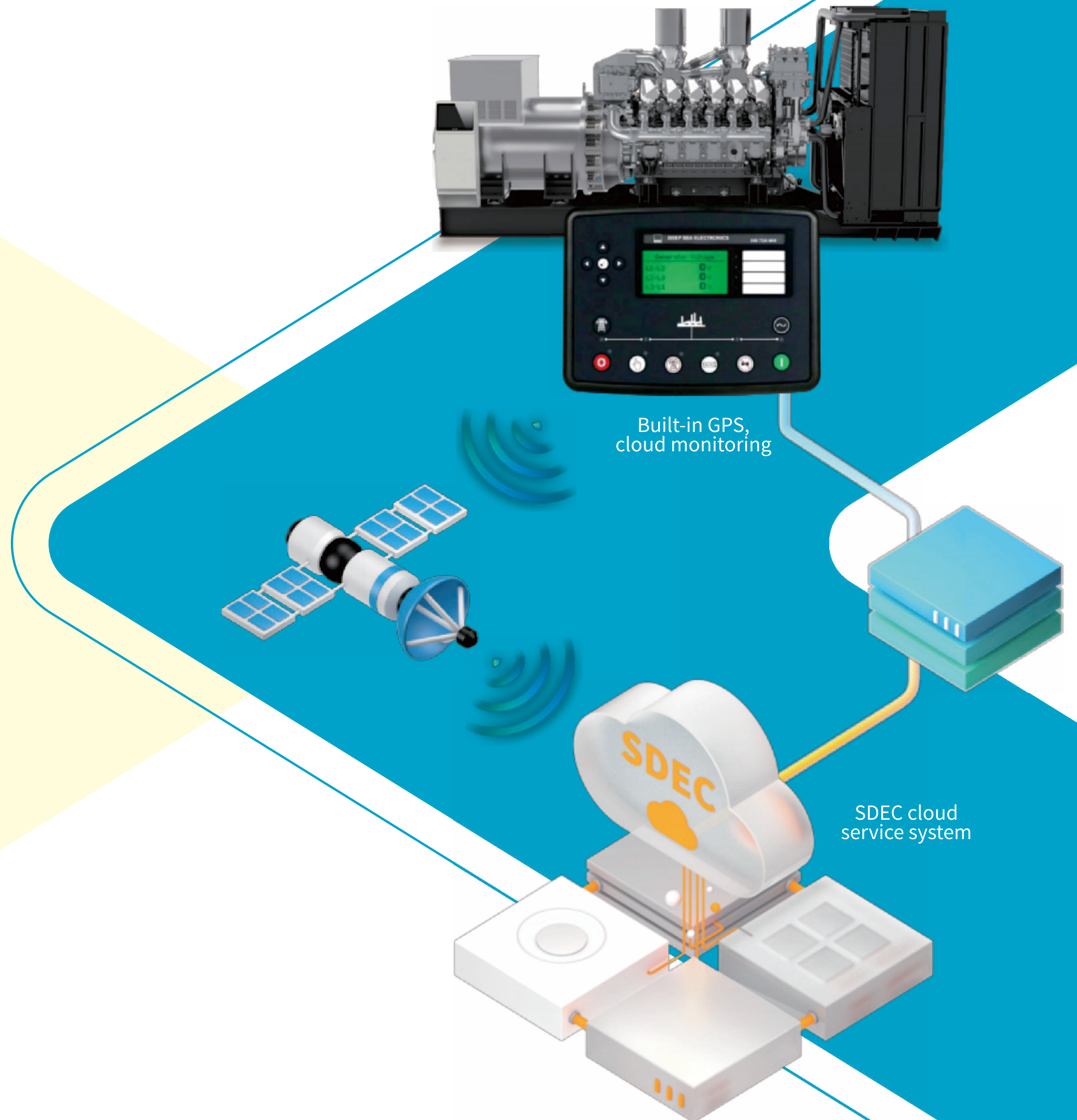
Driven by environmental imperatives and networking innovations, the future trajectory for diesel generator sets is toward green, smart, connected, and integrated solutions. These advancements cater to the daily operational oversight and enhance power services delivery.

In complex multi-unit parallel applications with sophisticated load management, an integrated master control system synergizes with the generator controller to create an unmanned, fully automated power management platform. This setup ensures dependable operation and safety. The platform can seamlessly integrate specific functionalities as required:

- Touchscreen-based system monitoring
- Programmable logic control for system operations
- Customized feature integration per user specifications
- Smart networking with cloud monitoring integration

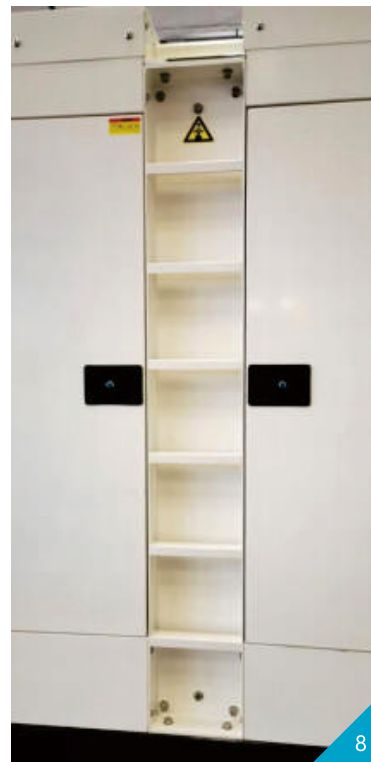
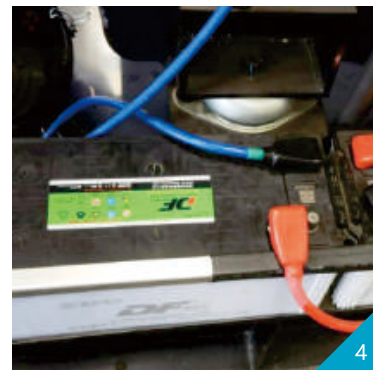
APPs Management Suite

- Order Management APP
- Service Management APP
- Rental Management APP
- Service Engineer APP
- Rental Engineer APP
- Customer APP
- Tenant APP



Unit Options and Details

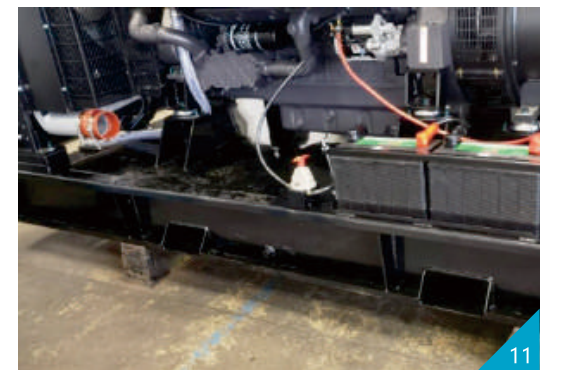
- | | |
|----------------------------|---|
| 1.Copper Busbar Connectors | 5.Fuel Filler Cap |
| 2.Oil Separator | 6.Air Filter |
| 3.Engine Mounts | 7.Intake and Exhaust Noise Reduction System |
| 4.Maintenance-free Battery | 8.Access Ladder |



- | |
|--------------------------------|
| 9.Multi-Stage Filter |
| 10.Drain Valve |
| 11.Base-mounted Fuel Tank |
| 12.Container-mounted Fuel Tank |



- | |
|---|
| 13.Enclosure Lighting (Interior/Exterior) |
| 14.Emergency Stop Button |
| 15.Internal Acoustic Treatment |
| 16.Forklift Pocket and Lifting Eye |





Singapore Deep Tunnel Sewerage System Project

China Railway Engineering Equipment Group Italy
Shield Machine Oil Transformer Project

China Railway Engineering Equipment Group South Korea
Shield Machine Oil Transformer Project

Chengdu TMB Shield Machine Oil Transformer Project

Changi Airport Generator Set Project in Singapore

The Department of Transportation of the Philippines
Package Substation Supporting Project

Singapore Ministry of Defence Oil Transformer
Retrofit and Replacement Project

Land Transport Authority (LTA) Circle Line
& Cross Island Line Project in Singapore

Melbourne Metro Construction Project

Dubai HSBC Backup Power Genset Project

Manila Metro Construction Project, Philippines

Port Elizabeth Construction Project, South Africa



SERVICE INTRODUCTION

Rapid Professional Service

With its core team having over 20 years of industry experience,the company has established a complete and rigorous user service system, a professional and dedicated customer service team, and advanced and comprehensive overhaul and maintenance equipment, which can provide customers with considerate service guarantee.

- A mature team of security engineers to provide customers with excellent equipment installation and commissioning projects;
- A sufficient reserve of spare parts can provide customers with fast service guarantees and a reliable supply of spare parts;
- Complete service system can provide customers with complete equipment operation training;
- Years of service accumulation can provide customers with full life cycle equipment maintenance assurance plans and programs;

For More Information

To know more about Amper Power's products and services, please make phone call at 0757-86689161 or send an email to Sales@amperpower.com.

Innovate, Integrate, Illuminate

