



Chongqing Fullas Industry Co.,LTD.

Power Solution Supplier, Focus On Customer's Demand.

- Power Engine
- Power Generator
- Garden Tool
- Agricultural Machine
- Power Station

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About Us

"Focus on Customer's Demand" has always been Fullas Company's enduring pursuit and driving force.

Founded in 2017, Fullas Industry supplies high-quality machinery products to global customers, including power engines, generators, garden tools, and agricultural machinery, with an annual production capacity of 300,000 sets. Fullas is also venturing into new energy products, beginning with the industrial power station in 2024, which has already generated significant commercial value. All products are certified to Euro-V, EPA, CSA, CE, GS, and UL standards.

Fullas machines have been widely exported to North America, South America, Oceania, Europe, and Asian countries. Fullas operates on a "two-legged" business model, providing traditional B2B sales services while also selling online to better understand consumer needs and ensure fast delivery. In addition, Fullas also offers global customers project commercialization services, leveraging its engineering expertise and the resource advantages of its extensive supply chain in Chongqing.

Every member of the Fullas team brings over 15 years of industry experience. Each qualified machine reflects the dedication of our people. We are committed to offering customers high-quality products, competitive prices, on-time delivery, and excellent service.

"Full Devotion, Continuous Innovation, Customer First, and People Orientation" is the business philosophy of Fullas. We warmly welcome global partners to contact us for fruitful collaboration.

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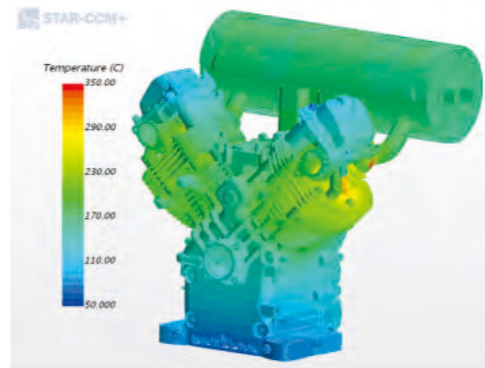
EFI Engine

EFI technology

Easy Starting

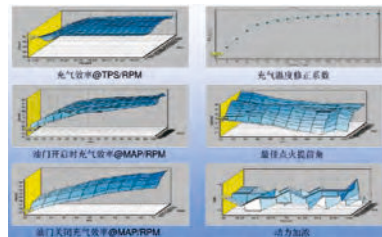


Excellent Easy starting performance at low temperature, which can be started at -30°C.



Superior Reliability

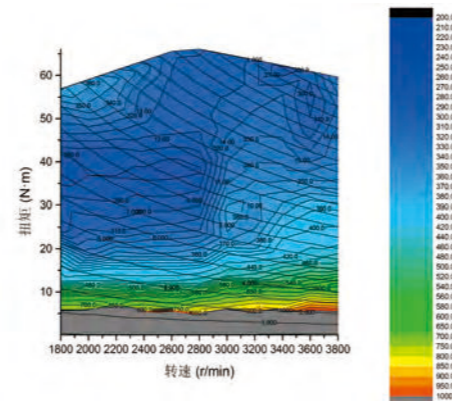
Equipped with American Delphi EFI system, high reliability components which ensures low fuel and oil consumption.



Powerful Output, Superior Performance

Optimized inlet/exhaust system and valve timing to improve the combustion efficiency; combined with EFI system, the power output is increased 5% compared to the same displacement engines.

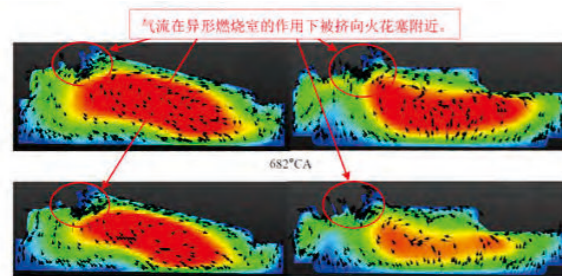
Low engine speed fluctuation ensures a more smooth running, and super low idle speed running.



Low Exhaust Emission

Multi-port nozzles are designed to prevent oil film formation, which ensures sufficient burning and reduces exhaust emission.

Controllable digital ignition system ensures sufficient burning, and effectively reduces the noxious gas emission.



Features

- Easy maintenance, High reliability, longer life.
- Clean power, low emission and ECO-Friendly.
- Remote throttle and switch control available.
- Strong power, stable performance.
- Easy to start in super low temperature, adaptable to different environment.



H765i



H1000i-LP



H1000i-HD

Specifications



Model	FP2P73F-EFI	FP2P76F-EFI	FP2P77F-EFI	FP2P80F-EFI	FP2P82F-EFI	H765i	H1000i
Engine Type	V-twin cylinder, 4 stroke, Air-forced, OHV						
Displacement (cc)	586	635	708	764	803	764	999
Net Power (kw/3600r/min) sae	13	14	17	18	19	20	26
Bore X Stroke (mm)	73X70	76X70	77X76	80X76	82X76	80X76	90X78.5
Net Torque (Nm / R / Min)	37/2400	40/2400	47.5/2400	52/2400	55/2400	55/2800	74/2600
Starting System	Electric-start						
Lubrication System	Splash+pressure						
Fuel Pump	External	External	External	External	External	External	External
Fuel Injection Pressure (kpa)	270	270	270	270	270	270	270
Injection Mode	Air port injection						
Nozzle	Multi port	Multi port	Multi port	Multi port	Multi port	Multi port	Multi port
Ignitor	Digital	Digital	Digital	Digital	Digital	Digital	Digital
Sensor Type	T-MAP Sensor / Oil Sensor / O2 Sensor / CPS / TPS						
Governor System	Electronic	Electronic	Mechanical	Mechanical	Mechanical	Electronic	Electronic
Air Filter	Dual-filter element					Foam+paper filter element	
Engine Oil Capacity (L)	1.7	1.7	2.4	2.4	2.4	1.8	2.3
Net Weight (kg)	36	36	42	42	42	49	60
Packing Dimension (L x W x H) (mm)	430x425x412	430x425x412	466x480x356	466x480x356	466x480x356	510x505x500	555x570x545
Loading Qty (20GP/40HP)	325/840	325/840	360/1225	360/1225	360/1225	176/460	108/300

Vertical V-twin Engine

Features

- Low oil consumption, powerful output.
- Easy starting within three attempts at 4.5°C~43.5°C.
- Imported fuel pump, stable and reliable; Full pressure lubrication, extends engine life; Special material filter element are used to prevent dust entering in engine.
- CAE analysis technology are used to optimize component design, reduces vibration and noise.
- Accurate match on fuel system, friction pair, Automatically decompression structure ensure easy starting, less battery current are consumed.



FP2P76F



FP2P77F



FP2P82F

Specifications



Model	FP2P73F	FP2P76F	FP2P77F	FP2P80F	FP2P82F
Engine Type	V-twin cylinder, Air cooled, 4-stroke, OHV				
Displacement (cc)	586	635	708	764	803
Net Power (kw/3600r/min) sae J1349	12.5	13.5	16	17	18
Bore X Stroke (mm)	73×70	76×70	77×76	80×76	82×76
Net Torque (Nm / R / Min)	37/2400	40/2400	47.5/2400	52/2400	55/2400
Starting System	Electric	Electric	Electric	Electric	Electric
Lubrication System	Splash+pressure	Splash+pressure	Splash+pressure	Splash+pressure	Splash+pressure
Air Filter	Dual-filter element	Dual-filter element	Dual-filter element	Dual-filter element	Dual-filter element
Engine Oil Capacity (L)	1.7	1.7	2.4	2.4	2.4
Net Weight (kg)	36	36	42	42	42
Product Dimension (L × W × H) (mm)	430×425×412	430×425×412	466×480×356	466×480×356	466×480×356
Loading Qty (20GP/40HQ)	480/810	480/810	440/700	440/700	440/700

Horizontal V-twin Engine

Widely Application

Suitable for a wide range of equipment in gardening, engineering, agriculture, livestock, fishery, etc.

Features

- Superior reliability.
- Low noise, low vibration, low oil consumption.
- Powerful Output 90 angled OHV design, Optimized valve timing, combustion efficiency improved and power lifted by 5%-10%.



FP2V78FD-2



FP2V80FD



FP2V90FD

Specifications



Model	FP2V78FD-2	FP2V80FD	FP2V90FD
Engine Type	V-twin cylinder, 4 stroke, Air-forced, OHV		
Displacement (cc)	678	764	999
Net Power (kw/3600r/min) sae	14	18	24
Bore X Stroke (mm)	78X71	80X76	90X78.5
Net Torque (Nm / R / Min)	42.0/2500	51/2600	70/2800
Starting System	Electric-start	Electric-start	Electric-start
Lubrication System	Splash+pressure	Splash+pressure	Splash+pressure
Fuel Pump	yes	yes	yes
Ignitor	Transistorized magneto ignition		
Governor System	Mechanical	Mechanical	Mechanical
Air Filter	Foam+paper filter element	Foam+paper filter element	Foam+paper filter element
Engine Oil Capacity (L)	1.5	1.8	2.3
Net Weight (kg)	43	48.5	60
Product Dimension (L × W × H) (mm)	510×400×450	470×505×500	555×567×685
Loading Qty (20GP/40HQ)	280/575	108/300	108/300



Gasoline Engine

Features

- Mature technology ensures product consistency.
- With low oil alert function, auto-stop when oil level is low.
- Large capacity muffler design, ensures a lower noise level.
- Optimized combustion chamber and air vent, to ensure the burning efficiency. Lower fuel consumption and exhaust emission.



FP168FB



FP170(E)



FP190F(E)



FP196F(E)

Specifications



Model	FP156F	FP168FA	FP168FB	FP170F(E)	FP180F(E)	FP188F(E)	FP190F(E)	FP192F(E)	FP196F(E)
Engine type	Single cylinder, Air cooled, 4-stroke, OHV								
Displacement (cc)	98	163	196	212	302	389	420	459	622
Net Power (kW/rpm)	2.2	4.1	4.8	5.2	6.2	7.8	9.0	10	13
Bore x Stroke (mm)	56×40	68×45	68×54	70×55	80×60	88×64	90×66	92×69	96×86
Net Torque (Nm / R / Min)	5.0/2500	10.08/2500	12.5/2500	12.5/2500	18.5/2500	25/2500	26.5/2500	30.5/2600	38/2800
Starting System	Recoil	Recoil/Electric	Recoil/Electric	Recoil/Electric	Recoil/Electric	Recoil/Electric	Recoil/Electric	Recoil/Electric	Recoil/Electric
Lubrication System	Splash	Splash	Splash	Splash	Splash	Splash	Splash	Splash	Splash
Air Filter	Half dry, dual-filter element								
Engine Oil Capacity (L)	0.3	0.6	0.6	0.6	0.95	1.1	1.1	1.1	1.6
Fuel Tank Capacity (L)	1.6	3.6	3.6	3	4.6	6.5	6.5	6.5	6.5
Net Weight (kg)	11	17	18	19	29	31	32	32	42
Product Dimension (L × W × H) (mm)	350×300×350	390×330×380	390×330×380	390×330×380	400×445×440	465×415×450	465×415×450	490×460×450	560×450×495
Loading Qty (20GP/40HQ)	744/1404	630/1260	630/1260	630/1260	350/870	300/625	300/625	300/600	200/525



Features

- Easy start, low resistance pressure relief design.
- Light weight design, leading bearingless technology and self-lubricating system.
- Low vibration-well balanced and low centered of gravity design, make the engine running smoothly.
- improve the fuel consumption efficiency, reduce oil consumption and achieve long life expectancy, emission consistency.
- Large-capacity air filter with paper and foam dual-element air and remote two stage oil filter with superior dust-proof function, can reduce the cylinder wear, extend the engine life.



FPV150



FPV170



FPV200

Specifications



Model	FPV130	FPV150	FPV170	FPV200	FPV224
Displacement (cc)	131	150	173	200	224
Bore x Stroke (mm)	61×45	65×45	70×45	70×52	70×58
Max Net Power@3600 rpm (kW)	2.2	2.4	2.8	4.1	4.5
Max Net Torque@2500rpm (N.m)	6.8	7.5	9.2	11.3	12.2
Oil Capacity (L)	0.4	0.4	0.4	0.5	0.5
Fuel Tank Capacity (L)	1	1	1	1.2	1.2
Air Filter	Foam	Foam	Foam	Foam	Foam
Speed Control	Constant speed	Constant speed	Constant speed	Constant speed	Constant speed
Starting System	Recoil/Electric	Recoil/Electric	Recoil/Electric	Recoil/Electric	Recoil/Electric
Net Weight (kg)	7.9	7.9	7.9	10.5	10.5
Packing Dimension (L × W × H) (mm)	330×310×250	330×310×250	330×310×250	410×340×280	410×340×280
Loading Qty (20GP/40HQ)	576/1152	576/1152	576/1152	468/972	468/972



Features

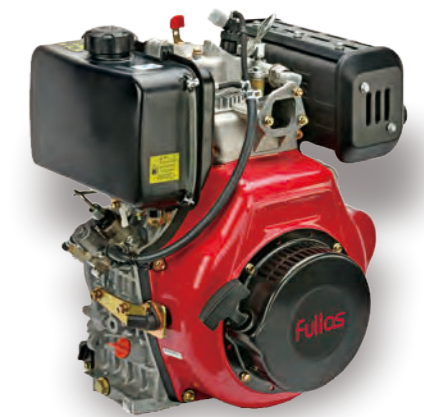
- 3 level whirlwind and double filtering.
- Mature technology, stable performance.
- Apply to terminal products like generators, agricultural machinery, garden machinery, boats, etc. Extended air filter and trapezoidal starter are applied to tillers.



FPD173F(E)



FPD186FB(E)



FPD192F(E)

Specifications

Model	FPD173F(E)	FPD178F(E)	FPD186FB(E)	FPD192F(E)
Bore x Stroke (mm)	73x59	78x62	86x72	92x75
Displacement (cc)	247	296	418	498
Max Output (kW/rpm)	3.8/3600	4.4/3600	6.8/3600	8.5/3600
Rated Output (kW/rpm)	3.6/3600	4.0/3600	6.3/3600	8.2/3600
Max Torque (N,M/rpm)	NA	NA	18.5/2800	24.4/2800
Starting System	Recoil/Electric	Recoil/Electric	Recoil/Electric	Recoil/Electric
Fuel Tank Capacity (L)	2.5	3.5	5.5	5.5
Oil Capacity (L)	0.8	1.1	1.65	1.65
Net Weight (kg)	25	33	44	45
Product Dimension (L x W x H) (mm)	380x335x415	421x383x450	440x417x495	460x421x498
Packing Dimension (L x W x H) (mm)	440x365x470	470x440x510	510x455x570	510x455x570
Loading Qty (20GP/40HQ)	400/835	300/665	220/460	220/460



Portable Generator

Features

- Easy maintenance.
- Low oil protection system.
- Compact and easy-operation design.
- Low emission, durable, stable, reliable and powerful.
- Large fuel tank ensures 8 hours running time at rated power.
- Optional Powered by **HONDA KOHLER**.



FP3000(E)



FP4500

Specifications

Model	FP1500	FP2500(E)	FP3000(E)	FP3600(E)	FP4500
Frequency (HZ)	50/60	50/60	50/60	50/60	50/60
AC Voltage (V)	230/120	230/110	230/110	230/110	230/110
Rated Power (kW)	0.8/1.0	2.0/2.2	2.5/2.8	2.8/3.0	3.5/4.0
Max. Power	0.85/1.2	2.2/2.5	2.8/3.0	3.0/3.5	4.0/4.5
Engine Model	FP156F	FP168FB Honda Gx200/GP200	FP170F Honda Gx200/GP200 Kohler SH265	FP170F Honda Gx200/GP200 Kohler CH270	FP225
Starting System	Recoil start	Recoil/Electric	Recoil/Electric	Recoil/Electric	Recoil start
Fuel tank Capacity (L)	6.5	15	15	15	20
Oil Capacity (L)	0.6	0.6	0.6	0.6	0.6
Net/Gross Weight (kg)	25/26	42/44	44/46	44/46	44/46
Package Dimensiones (L x W x H) (mm)	445×350×410	605×450×460	605×450×460	605×450×460	605×450×460
Loading Qty (20GP/40HQ)	420/900	240/490	240/490	240/490	240/490



Features

- Easy-operation control panel.
- High Quality alternator, 110-415V, single or three phase.
- Precise ignition control. Engine speed control against different load.
- Fullas commercial V-twin engine, low vibration, low emission, durable, stable, reliable and powerful.
- Optional Powered by **HONDA KOHLER**.



FP6500



FP12500E



FP18000(S)



FP24000(S)

Specifications

Model	FP6500(E)	FP7500(E)	FP9500(E)	FP12500E
Frequency (HZ)	50/60	50/60	50/60	50/60
AC Voltage (V)	230/110	230/110	230/110	230/120
Rated Power (kW)	5.0/5.5	6.0/6.5	7.0/7.5	9.0/10.0
Max. Power	5.5/6.0	6.5/7.0	7.5/8.0	10.0/12.5
Engine Model	FP188F Honda Gx390 Kohler CH440	FP190F	FP192F	FP550
Starting System	Recoil start	Recoil/Electric	Recoil/Electric	Recoil/Electric
Fuel tank Capacity (L)	25	25	25	40
Oil Capacity (L)	1.2	1.2	1.2	1.6
Net/Gross Weight(KG)	73/75	73/75	73/75	114/144
Package Dimensiones (L x W x H) (mm)	700×535×575	710×535×575	720×535×575	700×579×595
Loading Qty (20GP/40HQ)	128/272	128/272	128/272	81/240

Specifications

Model	FP18000(S)	FP24000(S)
Frequency (HZ)	50/60	50/60
AC Voltage (V)	380/400/415	380/400/415
Rated Power (kW)	13/14	18/20
Max. Power	17/18	22/24
Engine Model	FP2V80FD	FP2V90FD
Starting System	Electric start	Electric start
Fuel tank Capacity (L)	40	40
Oil Capacity (L)	1.8	2.5
Net Weight (KG)	192	236
Package Dimensiones (L x W x H) (mm)	1080×710×880	1080×710×880
Loading Qty (20GP/40HQ)	30/96	30/96



Features

- Light Weight.
- Super Quiet.
- Eco Mode.
- Easy Start.
- Easy to use.
- Easy parallel allows you to parallel with other Fullas inverter generators.



FP2300i



FP3300i



FP4500i

Specifications

Model	FP2300i	FP2500i	FP3300i	FP4500i	FP7500i
Engine Model	FP148F	FP152F-2	FP165F-4	FP170FD-3	FP190FD-2
Displacement (cc)	79	98	149	212	458
Fuel Tank Capacity (L)	4	3.7	4	10	25
Running Time (1/2 Load) (h)	6.3	4.5	4.7	8	11
Rated Frequency (Hz)	50/60				
Rated Voltage (V)	230/120/120&240				
Generator Type	Quiet Inverter Generator				
AC Power Quality (THD)	≤ 3%				
Running Power (kW)	1.8	2.1	2.5	3.5	6.5
Starting Power (kW)	2.3	2.5	3.3	4.5	7.5
Power factor	1	1	1	1	1
DC voltage (V)	12	12	12	12	12
DC current (A)	8.3	8.3	8.3	8.3	8.3
Starting Type	Recoil start			Recoil start/Electric start	
Noise (1/4 load) dBA	60	63	59	57	65
Net weight (kg)	21	23	27	45	130
Product Dimension (L x W x H) (mm)	499x285x455	499x285x455	565x339x467	578x440x510	950x765x773
Packing Dimension (L x W x H) (mm)	520x295x490	520x295x490	600x340x530	605x465x535	1010x660x665
Loading Qty (20GP/40HQ)	436/934	436/934	244/650	168/440	48/144



■ **Ultra low noise**

Moving parts are light weight and reduce vibration; at the same time, new sound-absorbing materials are used; the air duct of the whole machine is optimized to reduce exhaust noise, and the noise is 1~2dBA lower than similar products.

■ **Easy to start**

High-energy ignition, reduce starting torque, easy start within two times at - 10°C~40°C.

■ **Easy to use**

The quiet frequency conversion series can be equipped with Bluetooth, parallel, DC and USB interfaces, equipped with oil and spark plug observation windows, which are more convenient to operate.

■ **Small size, light weight**

Compared with similar products in the market, FP2300iS and FP2500iS:10.5% smaller on average 17% lighter on average Power-to-weight ratio is 27% higher than average.

■ **Energy-saving, fuel saving**

The ECO mode is energy-saving and fuel-efficient, and the average running time is 63.5% longer than similar products.

■ **High load start**

The highest starting power and the best load starting ability in the industry



FP2300iS

FP4800iS

FP12500iS

Specifications

Model	FP2300iS	FP4800iS	FP7000iS	FP10000iS	FP12500iS
Engine Model	H80G	H224G	H225G	H420G	H550G
Displacement(CC)	79	224	224	420	550
Fuel Tank Capacity (L)	4	11	10	20	20
Running Time (1/2 load) (h)	6.3	8.5	8.5	10	10
Rated Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Rated Voltage (V)	230/120/120&240				
Generator Type	Silent inverter generator				
AC Power Quality (THD)	≤1.5%	≤1.5%	≤3%	≤3%	≤3%
Running Power (kW)	1.8	3.8	5.0	8.0	10.0
Starting Power (kW)	2.3	4.8	7.0	10.0	12.5
Power Factor	1	1	1	1	1
DC Voltage (V)	12	12	12	12	12
DC Current (A)	8.3	8.3	8.3	8.3	8.3
Starting Type	Recoil start	Recoil start/One push start	Recoil&Electric	Recoil&Electric	Recoil/Electric start
7m Noise (1/4 load) dBA	60	58	60	60	100
Net Weight (kg)	17	38	45	80	110
Product Dimension (L × W × H) (mm)	430x285x455	520x380x510	578x440x510	780x650x610	780x650x610
Packing Dimension (L × W × H) (mm)	490x350x480	610x435x535	600x470x540	810x680x640	810x680x640
Loading Qty (20GP/40HQ)	288/720	180/480	180/400	63/168	54/117

Open Frame Inverter Generator



Features

- Low noise technology
- High power density motor
- Excellent quality of power
- High power-boosting engine



Specifications



Model	FP4800i0	FP7000i0	FP10000i0
Engine model	H225G	H225G	H420G
Displacement (CC)	223	224(High Speed)	420(High Speed)
Fuel Tank Capacity (L)	7	7	25
Running Time (1/2 load) (h)	6	6	14
Rated Frequency (Hz)	50/60	50/60	50/60
Rated Voltage (V)	230/120/120&240	230/120/120&240	230/120/120&240
Net Weight (kg)	30	35	60
Generator Type	Open Frame Inverter Generator	Open Frame Inverter Generator	Open Frame Inverter Generator
AC Power Quality (THD)	≤ 3%	≤ 3%	≤ 3%
Running Power (kw)	3.5	5.5	8.0
Starting Power (kw)	4.8	7.0	10.0
Power Factor	1	1	1
DC Voltage (v)	12	12	12
DC Current (A)	8.3	8.3	8.3
Starting Type	Recoil start / Electric start	Recoil start / Electric start	Recoil start / Electric start
7m Noise (1/4load) dBA	72	75	82
Product Dimension (L × W × H) (mm)	417x455x427	555x475x537	610x520x555



Features

- Easy move and transportation.
- For DC welding and AC generating output.
- Strong structure for long life use.
- Optional Powered by **HONDA KOHLER**.



FPW-80



FPW-230GX(E)



FPW-250

Specifications

Model	FPW-80	FPW-230GX(E)	FPW-250
Rated Current (A)	80	50-230	50-250
Welding Parameter			
Voltage (DC) (V)	20-25	22-28	22-28
Frequency (HZ)	60	60	60
Amp Adjustment Range (A)	50-80	50-230	50-250
Welding Rod Diameter (mm)	2.2-3.2	2.5-4.0	2.5-5.0
Duty Cycle	0.7	0.7	0.7
Generating Parameter			
Voltage (AC)	220V	220V	220V
Frequency	50-60	50-60	50-60
Rated/Max power (kW)	0.8/1.0	5.0/5.5	5.0/5.5
Engine Model	FP170F	Honda Gx390	FP190F Kohler CH440
Starting System	Recoil/E-start	Recoil/E-start	Recoil/E-start
7m Noise (1/4 load) dBA	<68	<78	<78
Fuel Consumption (g/kw.h)	≤395	≤370	≤365
Fuel Tank Capacity (L)	3.6	25	25
Oil Capacity (L)	0.6	1.1	1.1
Net/Gross Weighth (KG)	40/42	94/97	94/97
Packing Dimension (L × W × H) (mm)	560x500x435	710x545x575	710x545x575
Loading Qty (20GP/40HQ)	176 /420	128/268	128 /268



Diesel Generator

Features

- Diesel Generator for widely use.
- High strength frame.
- large fuel tank for long-time running.
- Brand diesel engine, more powerful.
- Professional alternator, high efficiency, increase power output.



FPD13000

Specifications

Model	FPD4500	FPD7000	FPD9000	FPD11000	FPD13000
Frequency(Hz)	50/60	50/60	50/60	50/60	50/60
Rated Power(kW)	2.8 /3.2	4.5 /5.0	6.5 /7.0	7.5 /8.0	10.0 /11.0
Max Power(kW)	3.0 /3.5	5.0 /5.5	7.0 /7.5	8.0 /8.5	11.0 /12.0
Voltage(V)	230/110	230/110	230/110	230/110	230/110
Phase	Single	Single	Single	Single	Single
Fuel Tank Capacity(L)	12.5	12.5	12.5	26	46
Runing Time 50% Load (h)	11	7.7	5.6	9.7	11.5
Engine Model	FPD178F	FPD186F	FPD192F	FPD198F	FPD2V88F
Oil Capacity(L)	1.1	1.65	1.65	1.65	4.0
Displacement(cc)	296	418	498	633	870
Bore x Stroke (mm)	78x62	86x72	92x75	98x84	2x88x72
Starting Way	Recoil/E-start	Recoil/E-start	Recoil/E-start	Recoil/E-start	Recoil/E-start
7m Noise (1/4 load) dBA	80-85	80-85	80-85	80-85	86
Net Weight (kg)	70	111	122	138	212
Packing Dimension (L x W x H) (mm)	700x500x580	770x545x655	770x545x655	840x570x700	925x700x960
Loading Q*ty (20GP/40HQ)	105/292	87/192	87/192	78/168	36/76



Silent Diesel Generator

Features

- Two-stage muffler device
- Preheating device
- High conversion efficiency
- Strong power



FPD8500Q



FPD11000Q

Specifications

Model	FPD6700Q	FPD7500Q	FPD8500Q	FPD9500Q	FPD11000Q	FPD11500Q
Rated Frequency(Hz)	50/60	50/60	50/60	50/60	50	50
Rated Voltage(V)	220,230,240,110/220,127/220,115/230,120/240,220/380,230/400,240/415					
Rated Output Power(kVA)	4.5(5.6)/5.0(6.3)	5.0(6.3)/5.5(6.9)	6.0(7.5)/6.5(8.1)	6.6(8.3)/7.3(9.1)	8.0(10.0)	9.0(11.3)
Max Output Power(kVA)	5.0(6.3)/5.5(6.9)	5.5(6.9)/6.0(7.5)	6.5(8.1)/7.0(8.8)	7.5(9.3)/8.3(10.4)	8.5(10.6)	9.5(11.9)
DC Output	12V 8.3A	12V 8.3A	12V 8.3A	12V 8.3A	12V 8.3A	12V 8.3A
Phase Number	1-Phase/3-Phase					
Excitation Mode	Self-excitation,brush					
Power Factor(Φ)	1.0(0.8)					
Insulation Grade	F	H				
Fuel Tank Capacity(L)	14.5	14.5	30.0	30.0	26.0	26.0
Engine Model	FPD186FAE	FPD188FAE	FPD192FE	FPD195FE	FPD1100F	FPD1105F
Starting System	Electric Start					
Engine Type	"1-Cylinder,4-Stroke,Air-cooled,Veritical"					
Broke*Stroke(mm)	86*72	88*75	92*75	95*75	100*85	105*85
Displacement(L)	0.418	0.456	0.499	0.532	0.667	0.736
Compression Ratio	19.5:1	19.5:1	19.5:1	20:1	20:1	20:1
Rated Rotation Speed(rpm)	3000/3600	3000/3600	3000/3600	3000/3600	3000	3000
Rated Power(kW)	5.8/6.6	6.6	7.6	8/9.2	9.5	11.5
Lube Oil Capacity(L)	1.65	1.65	1.65	1.65	2.00	2.00
Fuel Type	0#(summer),-10#(winter),Diesel oil					
Lube Type	SAE10W30(CD grade or above)				SAE15W-40(CD grade or above)	
Low Oil Pressure AlarmSystem	With	With	With	With	With	With
Overall Diemension(L*W*H)(mm)	910*530*740	910*530*740	910*530*840	910*530*840	1120*692*764	1120*692*764
Net Weight(kg)	149	151	171	175	210	215



FPD15000S

Specifications

Model	FPD12000S	FPD15000S	FPD18000S	FPD20000S	FPD22000S
Rated Voltage/frequency (Hz)	240/50	240/50	240/50	240/50	240/50
Phase number	1 and 3 phase				
Rated power (1/3 phase) (kVA)	3/10	3.9/12	4.6/14	5.3/16	6/18
Max power (1/3 phase) (kVA)	4/11	4.3/13	4.9/15	5.6/17	6.7/20
Rated current (V)	45.4	54.5	68	69.5	78.3
Rated rotation speed (V)	3000	3000	3000	3000	3000
Pole No.	2	2	2	2	2
Excitation mode	Self-excitation and constant voltage(with AVR)				
Power factor(COSΦ)	1	1	1	1	1
Insulation grade	B	B	B	B	B
Engine model No	2V88F	2V92F	2V95F	2V100F	2V105F
Engine type	V-Twin, 4-stroke, air cooled, direct-injected				
Displacement (cc)	912	997	997	1382	1523
Lubrication system	Pressure splashed				
Lube oil brand	Above CD SAE 10W-30、15W-40				
Lube oil capacity (L)	2.8	3.5	3.5	3.5	3.5
Starting system	12V Electric system	12V Electric system	12V Electric system	12V Electric system	12V Electric system
Battery capacity (V-Ah)	12V 36Ah	12V 45Ah	12V 45Ah	12V 45Ah	12V 45Ah
Fuel consumption ratio (g/kW.h)	250	250	250	250	250
Fuel type	Diesel: 0°(summer)-10°(winter)-35°(cold)				
Fuel tank capacity (L)	25	25	25	25	25
Nosie level (7m) dB(A)	74	74	74	74	74
Packing Size (L×W×H) (mm)	1200*670*875	1200*670*875	1200*670*875	1200*670*875	1200*670*875
Gross weight (kg)	260	285	310	325	335
Loading Quantity(20GP/4GP)	26/90	26/90	26/90	26/90	26/90



Gasoline Lawn Mower

Features

- Light weight design, easy to operate.
- FULLAS lawnmower adopts 4 stroke OHV gasoline engine.
- Nice in appearance, Fullas lawnmower is compact in structure, extremely light in weight, easy in operation, safe in application, excellent in cropping and gathering.
- Blades of lawnmower deliver a 16-26 inch cutting width.



FLM40P-130

FLM51ES-170

FLM56ES-224

Specifications

Model	FLM40P-130	FLM41S-130	FLM46ES-150	FLM50PL-150	FLM51ES-170	FLM53S-224	FLM56ES-224
Drive Type	hand push	self-propelled	self-propelled	Hand push	self-propelled	self-propelled	self-propelled
Cutting Heights	25-75mm with 3grades	25-75mm with 7grades	25-75mm with 7grades	25-75mm with 5grades	25-75mm with 8grades	25-75mm with 8grades	25-75mm with 7grades
Cutting Width	390mm(16")	410mm(17")	460mm(18")	510 mm(20")	510mm(20")	530mm(21")	560mm(22")
Blade	Straight blade	Straight blade	Straight blade	Straight blade	Straight blade	Straight blade	Straight blade
Grass Catcher	Fabric bag	Half plastic box	Half plastic box	/	Half plastic box	Half plastic box	Half plastic box
Catcher Volume (L)	35	45	55	/	65	65	65
Deck Material	steel	steel	steel	steel	steel	steel	steel
Quick Washing Hole	NO	NO	NO	/	Yes	Yes	Yes
Front/Rear Wheel	6/6inch	7/8inch	7/10inch	8/10inch	8/10inch	8/10inch	10/11inch
Catching Type	Rear bagging Rear discharge	Rear bagging Rear discharge	Side discharge Rear bagging Rear discharge Mulching	Side discharge Mulching	Side discharge Rear bagging Rear discharge Mulching	Side discharge Rear bagging Rear discharge Mulching	Side discharge Rear bagging Rear discharge Mulching
Displacement (cc)	131	131	150	150	173	224	224
Starting System (Recoil/ES/Auto choke)	Recoil	Recoil	Recoil/Electric	Recoil	Recoil/Electric	Recoil	Recoil/Electric
CE&GS	YES	YES	YES	YES	YES	YES	YES
EPA	YES	YES	YES	YES	YES	YES	YES
EURO-V	YES	YES	YES	YES	YES	YES	YES
Package Dimensions (L x W x H) (mm)	670x465x355	725x530x480	790x555x440	740x588x380	865x580x480	885x580x480	860x600x480
Loading Qty (20GP/40GP/40HQ)	258/528/616	175/350/350	140/300/360	162/360/420	104/212/265	104/208/260	96/204/255



Specifications

Model	FBM320	FBM380	FBM430	FBM470
Operating vorage (V)	20	40	40	40
Motor type	Brushless motor	Brushless motor	Brushless motor	Brushless motor
Drive type	Hand push	Hand push	Hand push	Self propelled
Drive model	Gear	Gear	Gear	Direct drive
Cutting width (mm)	320	380	430	470
Height adjustment	20-60mm 5 grade	25-75mm 6 grade	25-75mm 6 grade	20-60mm 5 grade
No-load speed (r/min)	3300	3300	3600	2900-3000
Collection container type	Fabric bag	Half plastic box	Half plastic box	Fabric bag
Collection container volume (L)	30	40	45	65
Collection wheel diameter (F/R) (mm)	137/137	137/205	174/248	200/280
Height adjustment type	Central height adjustment	Central height adjustment	Central height adjustment	Central height adjustment
Ful-function operation panel	No	No	No	Yes
Handle foldable	Yes	Yes	Yes	Yes
Side discharge	No	No	No	Yes
Cutting speed adjustment	No	No	No	Yes
Calking speed adjustment	No	No	No	Yes
LED light	No	No	No	Yes
Battery pack seat	1	2	2	4
G.W/N.W (kgs)	12.0/8.5	16.3/12.4	18.3/14.5	37.5/32
Size (mm)	635x420x300	720x430x370	800x465x380	920x585x465
Load qty (20GP/40GP/40HQ)	350/700/850	258/516/611	210/420/504	100/200/240

Riding Mower



Features

- Small turning radius, making steering effortless; Brake: Integrated parking brake.
- Manual and CVT transmission optional.
- Convenient grass pouring without getting off the car.
- Simple operation, providing comfortable mowing experiences (suitable for elderly women, and some individuals with disabilities to complete the mowing task)



Specifications

Model	24" (FRM24E-D224)	24" (FRM24E-D224)	26" (FRM26E-D224)
Drive type	Rear-wheel Drive		
Turning radius (in.)	18		
Frame	Steel tubing, welded and powder coated		
Displacement (cc)	224		
Engine model	DV225		
Starting system (Recoil/ES/Auto choke)	Recoil/E-start		
Power MAX (kw)	4.4		
Rated speed	2800 rpm		
Transmission type	Manual	CVT	CVT
Front/Rear wheel size (in.)	10*400-4/13*500-6	10"/13"	10"/13"
Cutting width	24"	24"	26"
Number of blades	1		
Blade speed (rpm)	Max 2700		
Blade brake	Yes		
Catcher capacity (L)	150		
Cutting heights (mm)	35-75mm ±5mm with 5 grades		
Height adjustment	Manual		
Cutting options	Mulch, side-discharge		
Battery capacity	2Ah 20V	Lead acid battery	Lead acid battery
Seat	Adjustable, integrated switch	/	/
Carton dimension	1485×780×865	1315×760×640	1460×760×630
40HQ (PCS)	69	105	92



Specifications

Model	FRM34E-(S)BD452	FRM38E-(S)D452	FRM38E-(S)BD452	FRM38E-(S)L586
Specifications				
Engine displacement	452CC	452CC	452CC	586CC
Power MAX(kW)	9.2kW	9.2kW	9.2kW	11kW
Engine feature	OHV	OHV	OHV	OHV
Cylinders	1/cast-iron sleeve	1/cast-iron sleeve	1/cast-iron sleeve	2/cast-iron sleeve
Starting	Electric	Electric	Electric	Electric
Fuel capacity	7.5L	7.5L	7.5L	7.5L
Transmission				
Type	Manual	Hydrostatic	Manual	Hydrostatic
Max Speed forward	8-10km/h	8-10km/h	8-10km/h	8-10km/h
Max Speed reverse	4-6km/h	4-6km/h	4-6km/h	4-6km/h
Chassis				
Frame	Robotically welded	Robotically welded	Robotically welded	Robotically welded
Tyres front/rear	15*6.00-6/18*8.50-8	15*6.00-6/18*8.50-8	15*6.00-6/18*8.50-8	15*6.00-6/18*8.50-8
Turning radius	55cm	55cm	55cm	55cm
Mower				
Cutting width	86cm	98cm	98cm	98cm
Maximum working area	15000m ²	15000m ²	15000m ²	15000m ²
Mower deck	Steel	Steel	Steel	Steel
Collector capacity	245L	245L	245L	245L
Cutting height	30~90mm	30~90mm	30~90mm	30~90mm
Cutting height positions	7	7	7	7
Blades	2	2	2	2
Catching type	Rear bagging/Side discharge	Rear bagging/Side discharge	Rear bagging/Side discharge	Rear bagging/Side discharge
Unit Specifications				
Weight	200kg	200kg	200kg	200kg
Meas	2300*960*1110mm	2300*960*1110mm	2300*960*1110mm	2300*960*1110mm
Load qty(20GP/40GP/40HQ)	12/28/42	12/28/42	12/28/42	12/28/42

Power Tiller



- Compact light and attractive.
- Powerful engine provides stable performance.
- Oil bath air filter prevents against dust and allows longer life.
- Blades numbers optional to suit different requirements.
- Optional Powered by **HONDA**



FPT450B



FPT900



FPT1100(E)

Specifications

Model	FPT450B	FPT550	FPT500	FPT900	FPT1000	FPT1100(E)	FPT1350(E)
Tilling Scope (mm)	350	540	500-1000	800-1200	1000	800-1000	800-1350
Tilling Depth (mm)	≥100	100-260	150-300	150-300	≥100	150-300	150-300
Gear Shifting	1.0	-1,1	2,0,1,-1	-1,0,2,1	vice gear box(high)2,0,1,0,-1 vice gear box(low)2,0,1,0,-1	2,0,1,-1	2,0,1,-1 (high speed) 2,0,1,-1 (low speed)
Driving Model	belt+chain	belt+chain	belt+chain	belt	gear	gear	gear
Transmission Oil Capacity (L)	0.8	0.95	0.95	1.1	1.6	1.8	2.0
Engine Model	FP156F	FP168FB	FP168FB	FP170F	FPD173F	FPD178F	FPD186FB
Max Power (Hp/rpm)	2.2/3600	6.5/3300	6.5/3600	6.5/3600	5.2/3600	6.0/3600	9.0/3600
Net Weight / Gross Weight (kg)	37/42	51/56	60/74	98/109	85/95	115/120	135/150
Product Dimension (L × W × H) (mm)	1200x365x920	1250x620x980	1380x690x970	1390x800x1070	1600x1000x1050	1750x1100x940	1800x1350x1000
Packing Dimension (L × W × H) (mm)	690x570x580	780x440x650	820x375x780	860x410x780	940x580x750	1050x570x780	1050x570x780
Certificates	CE	CE	CE	CE	CE	CE	CE
Accessories	3pcs, 4 antiwind blade + special weeding wheel	4pcs, 2 groups blade+front wheel	5# 4pcs, 3 groups blades round discs, front wheel, 350-4 wheels	3 pcs, 4 groups blade 400-8 wheels	4 pcs, 3 group blades 3.5-6 wheels, H type mower, E type grass cutter, 2 inch pump, sprayer	3+1 blades, 400-8 wheels	3+1 blades, 400-8 wheels
Loading Qty (20GP/40HQ)	120/480	117/312	126/252	102/123	72/144	60/132	60/132



High Pressure Washer

Features

- Easy starting and operation.
- Bigger wheels for easy move.
- Smaller vibration, light and portable.
- Professional high pressure hose, PVC braided.
- Telescopic rod and foldable handle for easy storage.
- Optional Powered by **HONDA KOHLER**.



FPW2500H



FPW3200H



FPW4200H

Specifications

Model	FPW1800H	FPW2500H	FPW2700H	FPW3200H	FPW4200H
Pressure (PSI/bar)	1800/ 124	2500P/ 172	2700 / 186	3200 / 220	4200 / 290
Flow (GPM L/min)	2.0/7.6	2.4/8.7	2.3/8.7	2.5/9.5	4.0/15.1
Engine	FP156F	HONDA GX160	FP168F	FP230(GX200)	FP459(GX390)
Start	Recoil Start	Recoil Start	Recoil Start	Recoil Start	Recoil Start
Pump	Axial Cam Pump	Axial Cam Pump	Axial Cam Pump	Axial Cam Pump	Triplex Pump
Soap Tank	/ (Siphon Tube)	/ (Siphon Tube)	/ (Siphon Tube)	Onboard Tank	/ (Siphon Tube)
Hose (m)	7.6	7.6	7.6	7.6	15
Nozzle (°)	0/25, Soap	0/25, Soap	0/25, Soap	0/15/25/40, Soap	0/15/25/40, Soap
Wheel (inch)	7x2	7x2	7x2	12x2	13x4
Dry Weight (kg)	23	31	31	34	62
Packing Dimension (L x W x H) (mm)	535x495x435	525x440x560	525x440x560	540x532x615	855x630x585
Loading Q'ty (20GP/40HQ)	240/600	192/416	192/416	120/336	72/176

Clean Water Pump



Features

- Lower oil temperature.
- Easy starting and operation.
- Rugged full frame protection with anti-vibration mounts.
- Optional Powered by **HONDA KOHLER**.
- Complete accessories available.
- More powerful, 5%-8% power increasing.
- Cast iron volute and impeller with a silicon carbide seal.



FPCW-40



FPCW-50



FPCW-80

Specifications

Model	FPCW-25	FPCW-40	FPCW-50	FPCW-80	FPCW-100
Inlet Size (mm)	25	40	50	80	100
Outlet Size (mm)	25	40	50	80	100
Suction (m)	6	6	7	7	5
Lift (m)	10	15	32	30	18
Flow (m ³ /h)	5	10	35	60	78
Engine Model	FP152F	FP152F	FP170F Honda GP160 Kohler SH265	FP170F Honda GP160 Kohler SH265	FP170F
Starting System	Recoil start				
Fuel Tank Capacity (L)	1.4	1.4	3.6	3.6	5.5
Oil Capacity (L)	0.45	0.45	0.6	0.6	0.6
Run Time @ Full load	8h	8h	2.5h	2h	2h
Noise db (7m)	<68	<68	<68	<68	<68
Net / Gross weight (kg)	12/13	12/13	23/25	24/26	27/30
Packing Dimension (L x W x H) (mm)	380x300x420	380x300x420	485x390x410	525x400x450	565x450x525
Loading Q'ty (20GP/40HQ)	540/1302	540/1302	366/864	366/864	250/525



FPHPD-50



FPHPD-50

Features

- High quality ceramic mechanical seal.
- High lift for emergency extinguish demand.
- Pump body, diffusor and impeller made of strengthen aluminum alloy, light weight and portable.
- Optional Powered by **HONDA KOHLER**

Specifications

Model	FPHPD-50	FPHPD-50
Inlet Size (mm)	50	50
Outlet Size (mm)	1x50 & 2x40	1x50 & 2x40
Suction (m)	7	7
Lift (m)	55	80
Flow (m ³ /h)	30	20
Impeller	Single impeller	Dual impeller
Engine Model	FP170F Honda GX200	FP170F Honda GX200
Starting System	Recoil start	Recoil start
Fuel Tank Capacity (L)	3.6	3.6
Oil Capacity (L)	0.6	0.6
Run time @ full load (h)	2	2
Noise db (7m)	<68	<68
Packing Dimension (L x W x H) (mm)	485x390x410	485x390x410
Net/Gross Weight (kg)	24/26	24/26
Loading Q'ty (20GP/40HQ)	180/440	180/440

Snow Blower

Gasoline Snow Blowers

Features

- A professional 22~30 inch OHV gasoline engine snow blower.
- Powerful enough to break through the hardest, wettest snow, up to 40 feet(12 meters) of snow.
- Long remote chute control and 190° rotation allow blowing snow in any direction.
- Quickly and easily cut through snow with total speed control, speeds forward and 2 speeds reverse.
- One-button start function, easy to operate; It can be started normally at temperatures as low as -29°C.
- Heavy steel frame and auger system ensure stable product performance and long life.



Snow Blower



Specifications

Model	FS21EG	FS22EG-LS	FS22EG	FS24EG	FS26EG	FS28EG-A	FS30EG-A
Engine Model	EH100-V EH165-V	F210S-S EH165-V	F210S-S F210S-2S	F210S-S F210S-2S	F210S-2S F225S-2R F2252S-2R	F252S-2R F300S-2R F340S-2R	F300S-2R F340DS-2R
Platform	Single-stage	Two-stage					
Engine Displacement (cc)	99/165	209/165	209	209	209/224/252	252/301/338	301/338
Rated Power (kW)	1.95/3.5	4/3.5	4	4	4.3/4/5.2	5.2/6/6.5	6/6.5
Engine Start	Recoil&Electric	Recoil & Electric	Recoil & Electric	Recoil & Electric	Recoil & Electric	Recoil & Electric	Recoil & Electric
Fuel Tank Capacity (L)	1.5/2.5	2.6/2.5	2.3	2.3	2.6/2.3/2.6	2.6/4.4/5.5	4.4/5.5
Speed Control	/	6F / 2R	6F / 2R	6F / 2R	6F / 2R	6F / 2R	6F / 2R
Wheels	Never Flat						
Handle Grips	PVC	PVC (optional heater)					
Chute Deflector Control	Hand						
Chute Rotation Control	Rod						
Chute Material	Steel						
Clearing Width (Inch)	21	22	22	24	26	28	30
Clearing Height (Inch)	14	20.5	20.5	20.5	20.5	20.5	20.5
Auger Gear Box	/	Worm gear case	Worm gear case	Worm gear case	Worm gear case	Worm gear case	Worm gear case
Auger Diameter (Inch)	8	10	10	10	10	10	10
Impeller Diameter	/	11.4	11.4	11.4	11.4	11.4	11.4
Operation Temperature	-29°C to +15°C	-29°C to +15°C	-29°C to +15°C	-29°C to +15°C	-29°C to +15°C	-29°C to +15°C	-29°C to +15°C
Light LED	Optional						
Certification	CARB, EPA						
Package Size (mm)	725×530×500	770×580×635	770×580×635	770×625×635	770×680×640	795×725×655	795×770×755
N.W / G.W (kg)	30 / 34	53.5 / 60	53.5 / 60	56.5 / 63.5	59.5 / 68.5	70 / 80	83 / 95

Advanced Power Electronics Technology

Equipped with the latest self-developed power chips

Modular Metal Structural Design

Robust protection, drop

Intelligent Interaction

Integrated with the Intelligent App



User-Centered Design

Portable and easy to operate

Firmware Upgrade

Bluetooth Transmission with Intelligent O&M

High Protection Rating

Unaffected by dust or moisture

3600W
Rated Power

20000W
Peak Power

2.5h
Charging Time

>97%
Efficiency

2.3kWh
Rated Capacity

IP54
High Protection Level

0 noise
Operating sound <30dB

24kg
Weight

Intelligent APP

CE CCC UL UN38.3 RoHS REACH



Specifications

Model	FPG3600	FPG3600-RCD
Capacity	2304Wh	2304Wh
Protection Level	IP54	IP65
Operating Altitude	2000m	2000m
Battery Indicator	10-level LED indicator	10-level LED indicator
Output Voltage Range	230±5V	230±5V
Output Frequency	50±0.5Hz	50±0.5Hz
Rated Output Power	3,600W	3,600W
150% Load	4000W~5400W, >500s	4000W~5400W, >500s
200% Load	5400W~7200W, >50s	5400W~7200W, >50s
250% Load	7200W~9000W, >10s	7200W~9000W, >10s
Other Overload	>9000W, >1s	>9000W, >1s
Peak Power	20000W	20000W
Peak Output Current	140A (Max Instant)	140A (Max Instant)
Socket	2*15A European socket	1*16A European industry socket, 1* RCD
Rated Input Voltage	230V AC	230V AC
Input Voltage Range	176~264V AC	176~264V AC
Max Input Power	1200W	1200W
Rated Input Current	6A (Max 8A)	6A (Max 8A)
Working Temperature	Charging: 5~40°C / Discharging: -15~55°C	Charging: 5~40°C / Discharging: -15~55°C
Storage Temperature	-20~60°C (1 month) / -20~45°C (3 months)	-20~60°C (1 month) / -20~45°C (3 months)
Certifications	IEC 62619, UN 38.3, IEC 62477, IEC6100	IEC 62619, UN 38.3, IEC 62477, IEC6100
Net Weight	24kg	25kg
Dimensions (W×H×D)	526×485×211mm	526×485×211mm



Portable 3-Phase Station

Three units in parallel for inversion: 400V/10.8kW rated output, 60kW peak, direct connection to industrial sockets.



Uninterrupted Power Supply

Single-phase output with 20ms seamless takeover lights don't flicker, devices don't restart, work never stops



Parallel Triples Energy

Single unit: 2304Wh energy capacity. Three units in parallel 6912Wh total. Capacity scales on demand.



Silent Anywhere Access

Zero noise, zero emissions. IP54 rated, -15~70°C operating temperature. Covers all no-go zones for diesel generators.

Specifications

Model	FPG3600-LINK
Product Specification	
AC Input	3-Channel 230V Input Port
AC Signal Output	3-Channel 30V Output Port
AC Power Output	2 Channels (1x CEE 5-pole 16A(Three-phase), 1x CEE 3-pole 16A(Single-phase))
Status Indicator Light	6 Output Status Indicators (Three Inputs, One Switch, Two Outputs)
Control Switch	1 Three-Position Rotary Switch (Three-phase/Standby)
AC Input Specification	
Rated Input Voltage	230VAC
Input Voltage Range	230±5VAC
Rated Input Current	16A
Rated Input Power	3600W
Input Frequency Range	50±0.5/60±0.5Hz
AC Output Specification	
Work Pattern	Three-phase Mode
Rated Output Voltage	400VAC
Output Voltage Range	400±40VAC
Output Rating	10.8kW(Normal Temperature)
Maximum Output	60kW
Output Frequency Range	50±0.5/60±0.5 Hz
Phase Imbalance	<7%
No-load Power Consumption	≤10W
Switching Period	/
Discharge Operating Temperature	-15~+70°C
Other Specification	
Levels of Protection	Class II
Classification of Waterproof	IP54
Flame Retardant Rating	V0
Environmental Certification	RoHS/REACH
Operating Ambient Temperature	-15°C -40°C
Storage Ambient Temperature	-20-60°C
Working Humidity	10-90% RH
Heat Dissipation Method	Natural Cooling
Storage Humidity	5-95% RH
Working Altitude	≤2000 m
Relay Switching Life	40000 Times
High Temperature Storage Test	Conditions:60°C 24h
Cryogenic Storage Test	Conditions:-20°C 24h
EMC Standard	EN IEC 61000-6-2:2019; EN IEC 61000-6-4:2019
Safety and Security Standards	IEC/EN 62477-1:2012 ; EN300328 V2.2.2:2019; EN301489-1 V2.2.3:2019; EN301489-17 V3.3.1:2024; EN 62479:2010;