

HYUNDAI

POWER EQUIPMENT

Standby Power 11.55KVA

1 Phase 1500 rpm

DHY11KSV

Diesel Generator



All Days | Safty | Reliable | Stability



TECHNICAL SPECIFICATION

DHY11KSV CANOPY TYPE

50Hz
Standby 11.55KVA

Benefits and Feature

- Use best quality vehicle, low fuel consumption, running reliable
- High quality and performance brushless alternator, with AVR
- High quality controller of Deepsea
- Block design electrical control system, easy operate and maintenance
- Standard 12 hours generator running base frame fuel tank (100% load)
- With baseframe forklift hole and generator canopy lifting hole
- Industrial waterproof canopy, ensure generator all days running
- Industrial silencer (7 meters the noise is lower than 68dB)
- Easy operation, IP23 protection industrial sockets and plugs
- Four pole circuit breaker with RCD earth protection
- Standard ATS function connector

Technical Specification

Prime Power	KVA/KW	10.5/ 10.5
Standby Power	KVA/KW	11.55/ 11.55
Power Factor		1.0
Frequency	Hz	50
Rate Voltage	V	230
Rate Current	A	47.7
Controller	Deepsea DSE6120	
Control Voltage	DC/V	12
Battery Capacity	Ah	60A
Coolant Capacity	L	4.85
Fuel Tank Capacity (Base frame)	L	50
Fuel Consumption (50%/ 70%/100%)	L/hour	2.4/3.0/3.5
Running Time (100%)	Hour	12

Voltage

Steady state regulation	%	$\leq \pm 0.5$
Dynamic voltage renewal	%	$\leq +20 \sim -15$
Stable time	Sec	2.0
Wave form distortion	%	≤ 3
Volatility	%	≤ 0.5

Frequency

Steady state regulation	%	$\leq \pm 1$
Dynamic frequency renewal	%	$\leq +10 \sim -7$
Stable time	Sec	≤ 3
Volatility	%	≤ 0.5

Environment require

Temperature	°C	≤ 40
Humidity	%	≤ 80
Altitude	M	≤ 1000

Standard ISO 9001:2015,
ISO 14001, ISO45001

Dimension | Weight | Sound



DHY11KSV CANOPY TYPE

Length (L)	mm	1600
Width (W)	mm	740
Height (H)	mm	825
Weight net	Kg	560
Loading capacity (unit/container)		
Sound @7 meter	dB	68

Note

1. Generator continuous running at variable load for unlimited periods with 10% overload available for 1 hour in any 6 hour period
2. Every generator strictly test on 0%, 25%, 75%, 100%, 110% load, dynamic of the responsiveness ability, and all protections



FAW DIESEL ENGINE

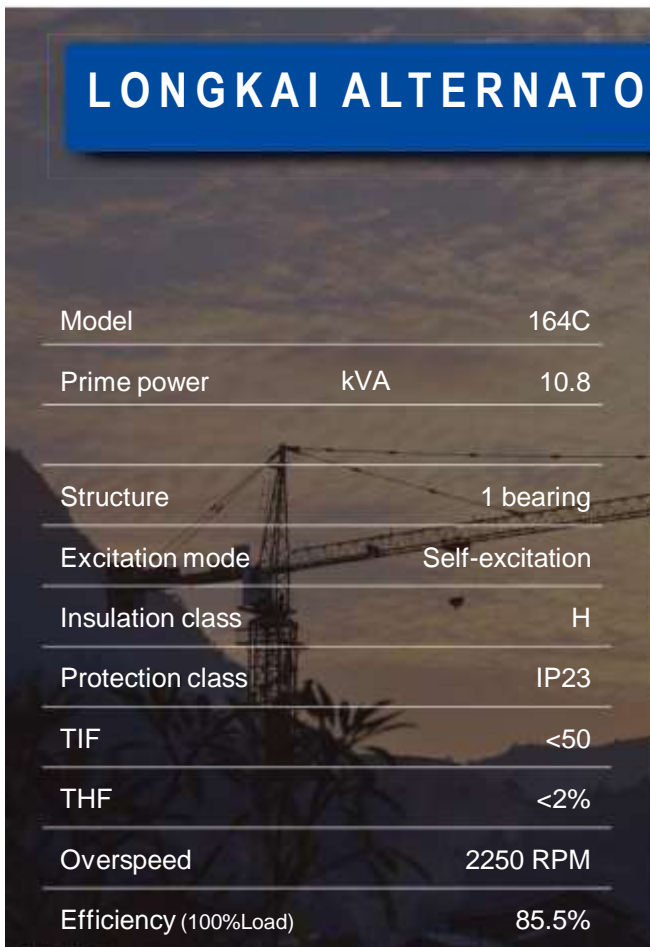
Powerful engine and reliable running quality
Durable running performance and was proofed by vehicle's application

Compact structure
Compact structure and metal materials saving for low cost

Low maintenance and repair cost
Air, fuel and oil tubes are silicone and stainless steel materials, which reduce leakage problems substantially

Excellent start performance
Fuel injector and pump were tested fully in various environments, which provide excellent start and running performance

Model	HY4DW81	
Prime Power	Kw	17
Structure	4 cylinders	
Fuel type	Diesel	
Fuel consumption	L/Hour	5.7
Battery charger	12V- 45A	
Governor	Electronic	
Cooling	Water cooled	
Lubricant capacity	L	7.8
Air intake resistance	kPa	3.7
Exhaust gas flow	m ³ /min	4.7
Exhaust gas temperature	°C	470
Exhaust gas back pressure	KPa	≤6.7
Compression ratio	18:1	
Aspiration	Nature	
Bore	mm	85
Stroke	Mm	95
Displacement	L	2.156
Starter motor	kW	3.5
Dimension	mm	700x555x680
Net weight	Kg	220



LONGKAI ALTERNATOR

Model	164C	
Prime power	kVA	10.8
Structure	1 bearing	
Excitation mode	Self-excitation	
Insulation class	H	
Protection class	IP23	
TIF	<50	
THF	<2%	
Overspeed	2250 RPM	
Efficiency (100%Load)	85.5%	



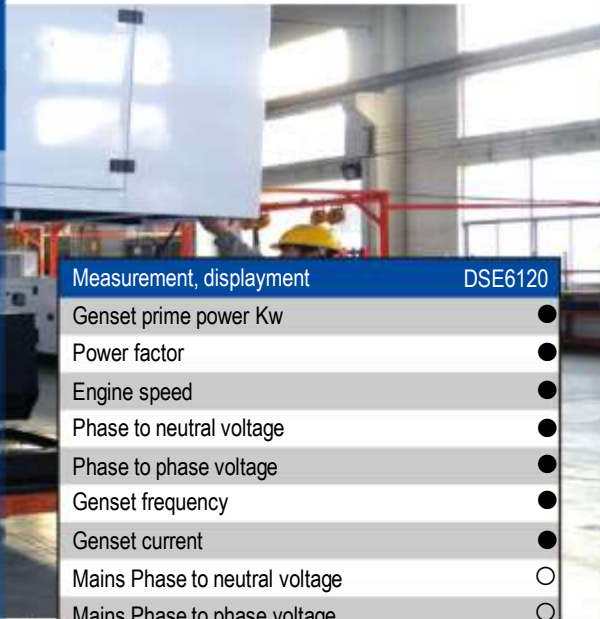
Best structure
Excellent design ensures compact structure and perfect appearance

Excellent performance
Excitation enhanced system improves start and short circuit's protection performance

Economy
Less parts involved and the most market's demand lead to cheap price and fine quality

Easy maintenance and repair
Core parts won't be involved in repair job, AVR can be replaced easily, examining diode doesn't disassemble

CONTROL PANEL



Measurement, displayment	DSE6120
Genset prime power Kw	●
Power factor	●
Engine speed	●
Phase to neutral voltage	●
Phase to phase voltage	●
Genset frequency	●
Genset current	●
Mains Phase to neutral voltage	○
Mains Phase to phase voltage	○
Mains frequency	○
Engine oil pressure	●
Engine water temperature	●
Fuel level	●
Battery voltage	●
Genset power KVA	●
Genset running time	●
Genset output KWh	●
History file	●
Alarm, shutdown function	
Low oil pressure warning, shutdown	●
High water temperature warning, shutdown	●
Engine over and under speed shutdown	●
Low fuel level warning, shutdown	●
Battery low and high voltage warning	●
Battery charging failure	●
Genset low and high voltage warning, shutdown	●
Alternator 3 phase voltage unbalance, shutdown	×
Alternator low and high frequency warning, shutdown	●
Genset over load shutdown	●
Alternator 3 phase current unbalance shutdown	×
Mains low and high voltage warning	○
Mains low and high frequency warning	○
Optional	
Remote start and stop	●
RS232 card	×
USB card	●
RS485 card	○
Multi language display	○
GPRS communication	○
GPS communication	○

Controller

Deepsea DSE6120



The DSE6110 MKIII is an Auto Start Control Module and the DSE6120 MKIII is an Auto Mains (Utility).BS EN 60529 IP65 - Front of module when installed into the control panel with the optional sealing gasket.

Control panel



Deepsea DSE6120

● standard ○ optional × none

ACCESSORIES



HI-EFFICIENCY BATTERY CHARGER ABS / PC Fire Protection, UL94-V0

BATTERY

Technology	Switchmode, flyback 65 kHz
Output voltage (Vo)	autoselect, 13.50 or 27.00 VDC
Output current (Io)	4.0 ADC (continuous)
Input voltage range	170-305 VAC (220-277V nominal)
Input current	1.2 ARMS max. (@170 VAC)
Input frequency range	45-68 Hz
Cooling	natural convection
Maximum input power	< 125 Watts
Peak Efficiency	> 92% (230VAC, 24VDC)
Output power	108 Watts max continuous
No load power	< 0.4W @ 230VAC/24VDC < 0.2W @ 230VAC/12VDC
Output ripple	< 0.5% of Vo (peak-to-peak)
Output noise	< 40mV
RMS Load regulation	< 0.5% of Vo
Line regulation	< 0.01% of Vo
Warm-up voltage	< 0.5% of Vo
Overshoot	< 3% of Vo (@100% to 0% load change)
Current consumption from battery	< 10mA
Overload protection	limits output current to 4A
Short circuit protection	limits output current to 4A
Short circuit duration	unlimited
High temp. protection	limits internal temp. to 85°C
Rectifier fail output	negative pulling transistor, 270 ohms serial impedance isolation
Input-output	3300 VAC
Input-ground	1650 VAC
Output-ground	1650 VAC
Operating temperature range	-30 °C to +80 °C
Storage temp. range	-40 °C to +80 °C
Max relative humidity	95% (non condensing)
Dimensions	70mm(W) x 99mm(H) x 60mm(D)
Weight (approx)	210 grams
Protection degree	(EN60529)
IP30 Electrical connections	two part connector, 2.5 mm2