


PRE-START CHECKS

- Complete the daily prestart checklist as set out on the next page.
- Ensure all escutcheons are installed and any panels and doors are closed to prevent contact with **live** conductors.
- Electrical installation shall be carried out by licensed electrician, and verified as per AS3000
- Switch battery and or starter isolators to the **on** position
- Check all Emergency stop buttons are disengaged (rotate counter clockwise to unlatch)
- Switch DC control power on using the key switch. Controller will illuminate.
- IF there are any fault or warnings on the controller – Reset first by pressing the stop  button




DEEPSEA DSE4520
STAND-ALONE CONTROLLER

MODES OF OPERATION

AUTO



Select this mode to force the generator into a run sequence and walkaway.

- Press  button to select this mode and wait for red light next to the button to turn on
 - Change mode to manual for shutdown.
- Never switch off with the Emergency Stop, unless in an emergency.

*Note: The **Sys Start/Stop** input status will determine if the machine will run.*

MANUAL

Select this mode when local control of the generator functions is required i.e:

- Press  button once and wait for red light next to the button to turn off followed by Start  button.
- Manually Open and Close GCB using lever

Note: For Manually operated GCB only

OFF

Select this mode to force machine OFF by pressing stop  button

Note: Always use whilst conducting visual checks inside enclosure.

MACHINE STARTING SEQUENCE

- During all start sequences engine will attempt 3 x 10s starts.
- Green LED indication as well as ready status will indicate generator is good to accept load.
- GCB can now be closed for load acceptance.

MACHINE SHUTDOWN SEQUENCE

- Select **Manual** mode to commence shutdown
- Open GCB manually, using the lever.
- Press the **stop** button and engine will go into a cooldown phase, press a 2nd time to override the cooldown.
- Switch off DC supply key switch to preserve batteries.

*Note: DC Supply can remain **ON** when there is a battery charger connected and working.*



EQUIPMENT PRE-START CHECKLIST

This checklist is used to ensure that all plant and equipment to be used on site (whether owned or hired) meets statutory safety requirements and is safe to use.

Fleet or ID No. _____ Owner Provider _____ Model No. _____
 Make and Type _____ Serial No. _____ Run Hours _____

All Equipment details must be recorded on this form, and person checking is to sign and date

Checks Carried out (All lines shall be completed)	Conforming?			Follow-up Required		Comments
	Yes	No	N/A	Yes	No	
Current Electrical Test and Tag Displayed						
Engine oil level is at "H" or above "L"						
Fuel Level						
Coolant Level						
radiator, engine and pipework for leaks						
fire extinguisher is in date						
battery terminals are clean and tight						
fan belt has tension						
maintenance reports available						
operator's manual (IOM) is available						
Emergency instructions are visible						
Visual of overall condition						
Equipment Provider (Name):						
	Signature:			Date:		
Inspection by (Name):						
	Signature:			Date:		