

Developing Technology for Tomorrow's Power Needs.

**Denyo**



**DIESEL ENGINE-DRIVEN DC WELDER/AC GENERATOR**

# **DCW-480ESW CC/ICV**

**One Unit for  
All Your Welding Needs!**

## **All-in-one**

### **450A DC Arc Welding Power Source**

DCW-480ESW can perform high-quality welding on pipelines and other welding methods. (Types of welding: Stick, Tig, Mig, Flux-cored, Gouging, etc.)

### **High-Capacity High-Performance Generator**

The unit can also be used as a 15kVA/50Hz high-capacity generator. With a voltage regulation of within  $\pm 1.5\%$ . High-quality AC power can be used while welding is being performed.

### **Low Fuel Consumption and Long Life**

The unit incorporate high-output diesel engine featuring low fuel consumption. Operation at low speed is easy on the engine, facilitating especially long life.

### **Special Design Facilitates Use in Virtually Any Location**

The unit has been designed to operate in virtually all locations, from very hot to cold climates. It is ideal for high-quality welding and as a dependable source of power.



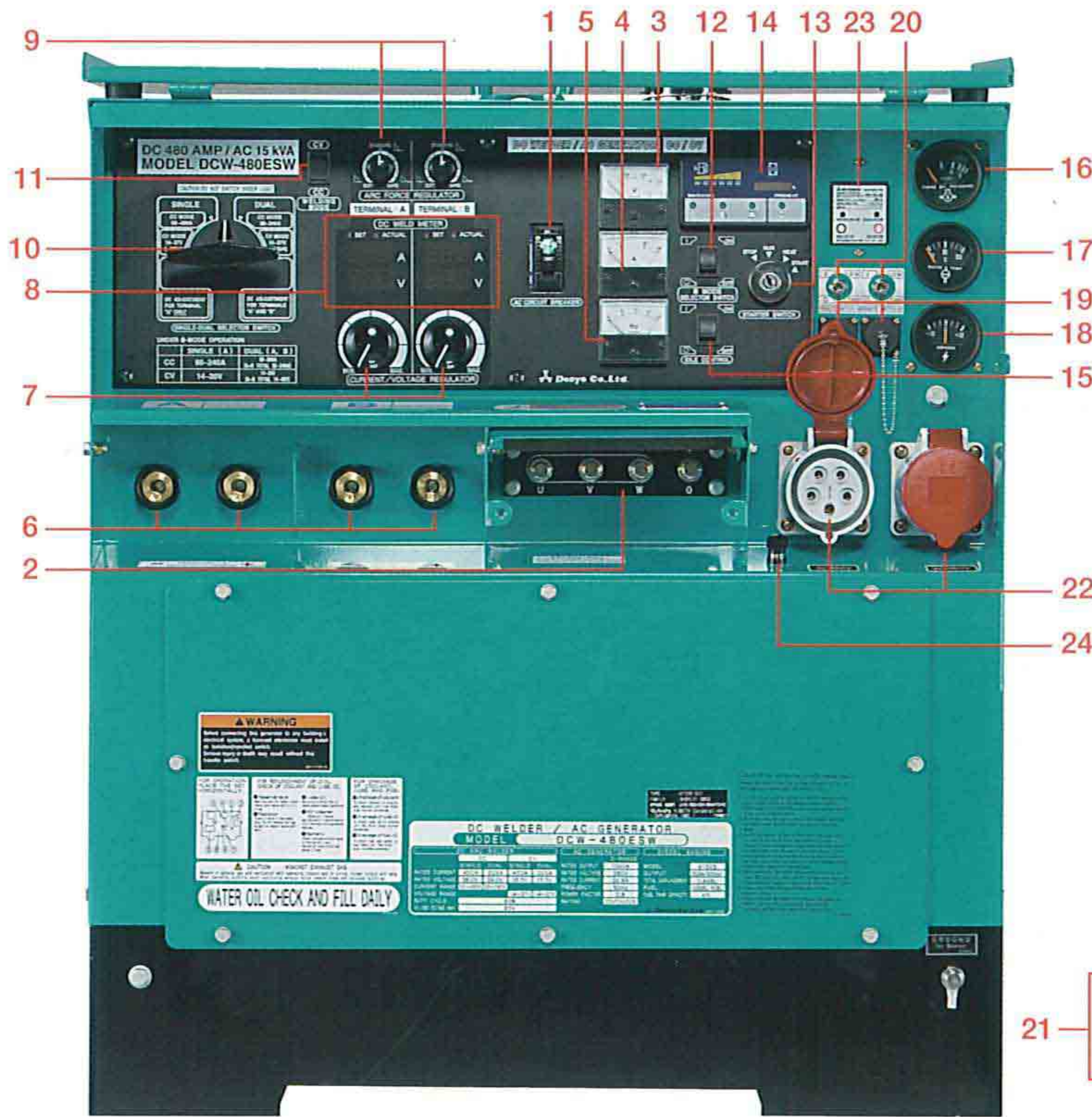
**Denyo Co., Ltd.**

HIGH PERFORMANCE/Multi-APPLICATION

# DCW-480ESW CC/CV

DIESEL ENGINE-DRIVEN  
DC WELDER/AC GENERATOR

Easy-to-use controls and operation integrated in one location.



**OPTION SET 1**

- 16.Oil Pressure Gauge
- 17.Water Temperature Gauge
- 18.Battery Charging Ammeter
- 19.Remote Control Receptacle
- 20.Remote Control Switch
- 21.Remote Control Box

**OPTION SET 3**

- 22.3-Phase AC Output Receptacle

**OPTION SET 4**

- 23.Earth Leakage Relay
- 24.Ground Terminal (for ELR)



- |                              |  |   |
|------------------------------|--|---|
| 1.AC Circuit Breaker         | 7.Current / Voltage Regulator              | 12.e mode Switch  |
| 2.3-Phase output Terminal    | 8.Digital Panel (DC Voltmeter, DC Ammeter) | 13.Starter Switch   |
| 3.AC Voltmeter               | 9.Arc Force Regulator                      | 14.Engine Monitor Warning Lamp Unit (Oil Press. / Water Temp. / Charging / Preheat) |
| 4.AC Ammeter                 | 10.SINGLE-DUAL Selector Switch             | Hour Meter • Fuel Meter   |
| 5.Frequency Meter            | 11.CC-CV Selector Switch                   | 15.Idle Control Switch  |
| 6.DC Welding Output Terminal |  |   |

**SPECIFICATION**

SPEC./MODEL		DCW-480ESW							
Frequency	Hz	50							
DC WELDING OUTPUT	Rated output	kW							
	Rated current	A							
	Rated voltage	V							
	Single	Current Range	A						
		Voltage Range	V						
	Dual	Current Range	A						
		Voltage Range	V						
	Rated Speed	min <sup>-1</sup>	3000						
	Duty Cycle	%	60						
	AC POWER OUTPUT	Three Phase	Rated output	kVA					
Rated voltage			V	200	220	380	400	415	440
Rated current			A	43.3	39.4	22.8	21.7	20.9	19.7
No. of Phase			3-Phase 4wire						
Power Factor			0.8 (Lag)						
Excitation			Brushless type (with AVR)						
No. of poles			2						
Insulation	Class F								

Maker/Model		KUBOTA/V1505	
Type	Water-cooled disel engine		
Number of cylinders	4		
Bore×Stroke	mm	78X78.4	
Totale displacement	L	1.498	
Rated output	kW/min <sup>-1</sup>	25.2/3000	
Battery	12V-70Ah (80D26R)		
Fuel	DIESEL FUEL ASTM NO.2 or eq.		
Fuel tank capacity	L	45	
Lubricating oil capacity	L	6.0 (Oil pan 5.8L+Oil filter 0.2L)	
Cooling water capacity	L	5.45 (Reserve Tank included)	
SET	Length	mm	1540
	Width	mm	720
	Height	mm	885
	Dry weight	kg	500
	Total weight	kg	558



Direct inquiries to the nearest Denyo distributor or to Denyo co.,Ltd.



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