



Material Purchase Specification

(High Frequency DC Power Supply for ESP)

Project Name	: Dang-Jin Power Plant		
Customer	: NWL Pacific	EPC	: Micro-One
Order Quantity	: 2	Set	
Delivery	: 2020	Sep	: 7

Design Specifications

1. General Rating

1.1 Enclosure	: Outdoor			
1.2 Ambient Temp	: Minimum	-20	°C	Maximum 40 °C
1.3 Humidity	: Maximum	100	%	
1.4 Altitude	: Lower than	1000	Meter	
1.5 Cooling Method	: ONAN			
1.6 Protection	: IP56			
1.7 Insulation Oil	: Mineral Oil			
1.8 Certificate	: None	None	None	

2. Electrical Specifications

available 380V

2.1 Input Voltage	: 480	V	Variation	±10%	Frequency	60Hz
2.2 Input Current	: 119	A				
2.3 Output Voltage	: 85	kV				
2.4 Output Current	: 1000	mA				
2.5 Output kW	: 85	kW	kVA:	98.3		
2.6 MCCB kA (IAC)	: 25	kA				
2.7 Efficiency	: 94	%				
2.8 EMC Filter	: None					

3. Physical Specifications

3.1 HV Bushing Type	: Side	Mounted		
3.2 Ground Switch	: Side 45°	Flange Hole Size	Ø12	Hole Q'ty 20
		Flange Vertical Center Line	Between Hole	
3.3 Key Interlock	: Total System			
3.4 Radiator	: Bolted On			
3.5 Wheel (Roller)	: Directional			
3.6 Pressure Protection	: Relief Valve			
3.7 Ground Boss	: Plate			
3.8 Material of Body	: SS41	Tank	4.5t	
		Junction Box+Door	3.2t	
		HV Flange	6.0t	
		Base	4.5t	
3.9 Painting Type	: Powder Coat	Thickness	120	μm
Color of Paint	: 5Y 7/1	or User Standard		
3.10 Running Light	: Pilot Lamp on Jbox			
3.11 Drain Valve Size	: 3/4"			
3.12 Oil Drip Pan	: None			

4. Signal Specifications

4.1 Digital Input	: HV On/Off	None	
4.2 Digital Output	: HV On	Fault	None
4.3 Aux.Alarm	: Emergency Stop		
	: None		
	: None		
	: None		
	: None		
4.4 Comm.Protocol	: ModBus RTU		
4.5 Redundant System	: None		