350 AMP MULTI PROCESS WELDING POWER SUPPLY

ORDERING SPECIFICATINS

DOC # 6152-3347

1. Power supply must be able to be used with SMAW, DC GTAW, Pulsed DC GTAW, GMAW, Pulsed GMAW, and Flux Cored GMAW
2. Must be able to operate on input voltage of 208/230/380-415/460/575/1/3/50/60
3. Input current @ rated output shall be 3 Ph / 40% duty cycle: 39/35/19/17/14A and 1 Ph / 40% duty cycle: 60/61/NA/NA/NA A
4. Output range shall be from 5-350 Amps
5. Rated Output With GMAW process shall be 350A/31.5V/40% and 300A/29V/100%
6. Must be capable of at least 65 or more standard wave forms for optimal process performance
7. Must be capable of automatically adjusting input power single phase or three phase, from 200 to 600V, at 50 or 60 Hz while keeping welding output constant through the full input voltage range
8. Must be capable of operating in either CC or CV mode
9. Must have cloud based data collection capability to allow for viewing and analysis of welding power supply welding data such as equipment usage, weld data storage and fault limit configuration
10. Must offer 115V (10A) AC accessory power receptacle with surge protection to insure use of 115V tools don't affect welding performance
11. Power supply case must be durable and able to endure heavy industrial environments (IP23 rating)
12. Must have standard Ethernet capability to allow software upgrades as needed
13. Must be Ethernet connectable with existing inventory of 350 amp multi process welding power supplies
14. Must come with a 10' (3.0m) input power cord

15. Must offer waveform capability for pulse, pulse on pulse, and must be upgradeable future developed processes and process variations
16. Must be fully compatible with existing inventory of pulse and pulse on pulse process wire feeders and 350 amp multi process welding power supplies
17. Must be an inverter
18. Must come with a 3 year warranty extendable for an additional two years
19. Must be approved/certified by OSHA approved Nationally Recognized Testing Laboratory such as but not limited to CSA or UL.
20. Must have a thermal fault indicator light
21. Must have Tweco-Style Cam-Loc output terminals
22. Must offer optional 115V (10 amp) AC duplex Auxiliary Power Receptacle and circuit breaker.

GMAW WIRE FEEDER ORDERING SPECIFICATIONS

DOCUMENT # 6152-3348

1. Must be push pull capable
2. Must be able to be used with existing inventory of push/pull GMAW guns
3. Must have high intensity LED internal lighting with on/off switch inside feeder
4. Must have internal heating with on/off switch to protect welding consumables inside feeder from humidity
5. Must have dual procedure and memory buttons for on the fly switching between welding waveforms and parameters
6. Must be able to fit through at least a 16" diameter opening for shipboard use
7. Wire feeder package must include a flowmeter, gas solenoid and must offer Oxomatic/Bernard gun bushing option
8. Must display in process welding wire speed/amperage depending on process
9. Must have wire feed speed/amp control adjustment knob
10. Must have light to indicate correct communication between wire feeder and power source
11. Must be able to display detailed welding and diagnostic information
12. Must have capability of adjusting arc characteristics
13. Must have capability of switching between two sets of welding procedures on the fly
14. Must have 2/4 step trigger interlock capability
15. Must have 3 amp circuit breaker to protect 12 pin accessories
16. Must be capable of water cooling installation
17. Must have volt/trim adjusting capability
18. Must have a drive motor overheat warning indicator light
19. Must have mode search feature based on welding parameters
20. Must be able to store and recover at least 8 preset weld procedures
21. Must have purge and non-energized wire feed switch
22. Must have 4/0 pigtail
23. Must have two gear driven drive rolls
24. Must be fully compatible to existing inventory of 350 amp multi-process welding power supplies
25. Must be approved/certified by an OSHA approved Nationally recognized testing laboratory