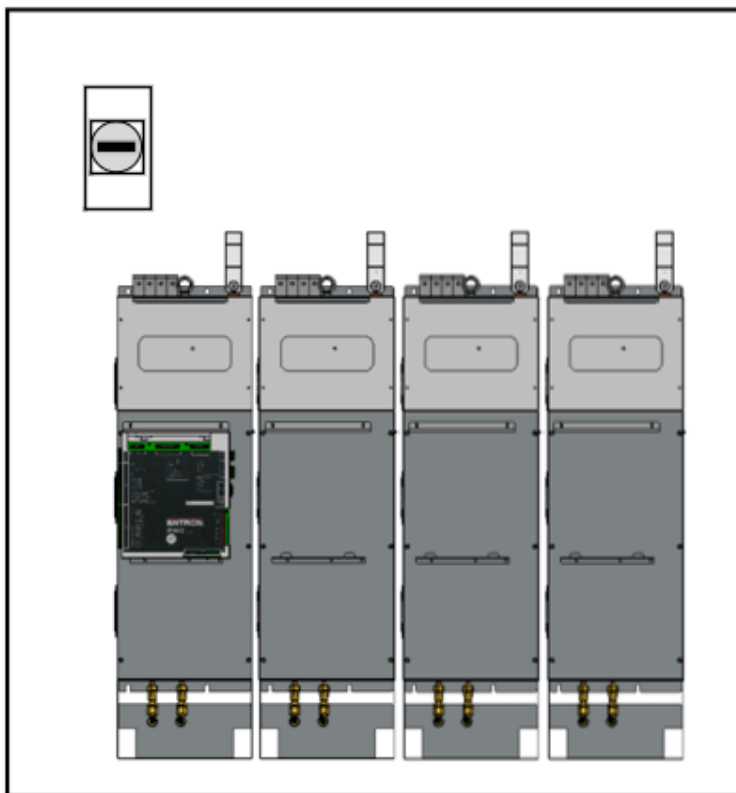
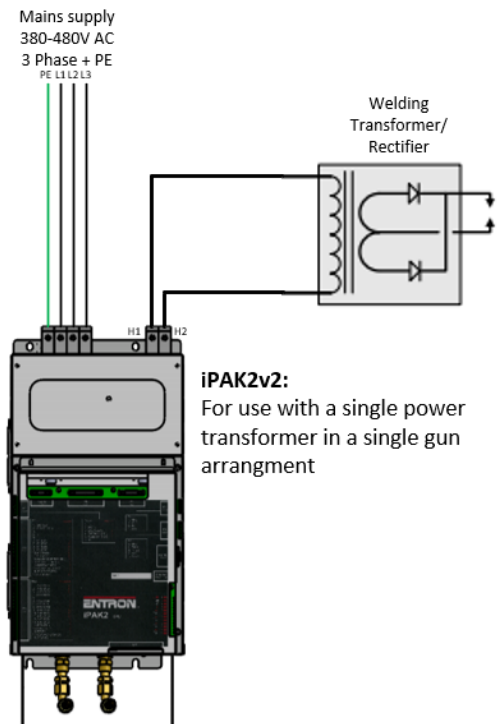


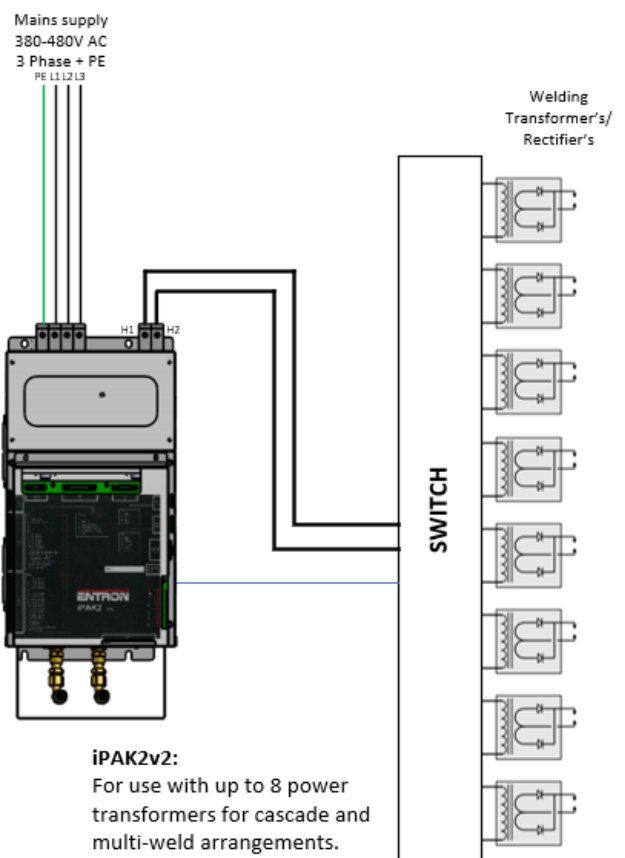
iPAK2v2 is an integrated timer/controller/inverter system for MF resistance welding. The control section is housed in a cassette type casing, which simply mounts onto the power pack for ease of maintenance.

- Millisecond precision, constant current with comprehensive monitoring assures weld quality.
- Output currents @ 20% Duty from 360A to 6000A.
- Standard supply voltage 380-480V AC. 3-Ph. 50/60 Hz.
- LV Inverter supply voltage 190-290V AC. 3-Ph. 50/60 Hz.
- An external switch can be used to connect with up to 8 transformers.
- The **iPAK2v2** timer comes with multiple control methods. Discrete I/O plus analog 0-10V, Modbus TCP/IP(Ethernet), Modbus-RTU (RS485), EtherNet/IP



**iPAK2v2-LMI (Only one Master Timer required)
(Large Modular Inverter)**

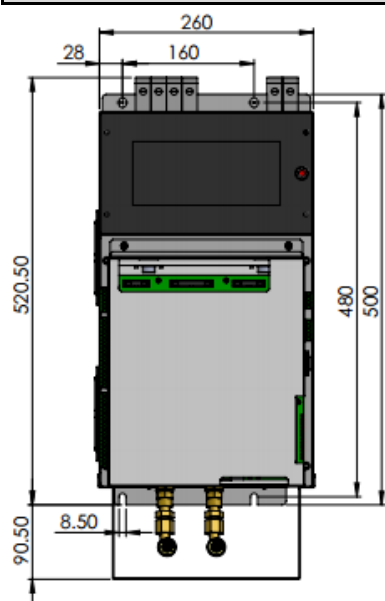
Multiple power modules are used to produce outputs of up to 6000 A.





iPAK welding power source with integrated iPAK2v2 timer, in 360A / 600A/ 1000A / 1500A Sizes. These units are available as modules, or complete with MCCB ect. in cabinets. All may be used with an external switching unit to connect with up to 8 transformers.

Model	Max Output	Max Voltage	Cooling	Max welding current @ 50:1	Size
iPAK360 AW	360A	480	WATER	18 kA	1W
iPAK-LV 360 AW	360A	290	WATER	18 kA	1W
iPAK600 AW	600A	480	WATER	30 kA	1W
iPAK-LV 600 AW	600A	290	WATER	30 kA	1W
iPAK1000 AW	1000A	480	WATER	50 kA	2W
iPAK-LV1000 AW	1000A	290	WATER	50 kA	2W
iPAK-LMI	1500A	480	WATER	75 kA	3W
iPAK-LV LMI	1500A	290	WATER	75 kA	3W



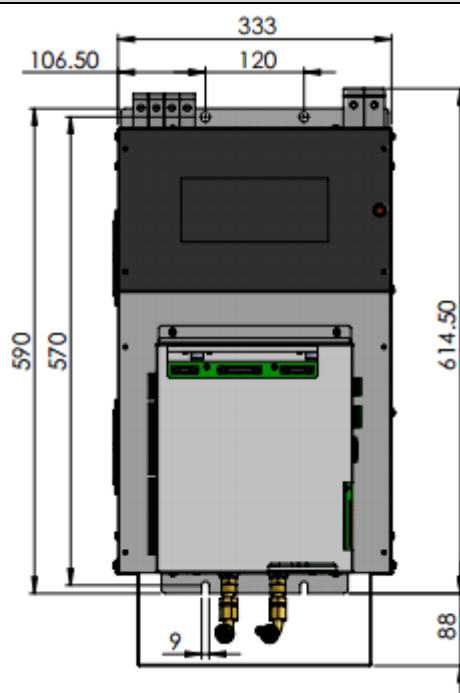
Size 1W

iPAK360 AW

iPAK600 AW

Max Primary Current 360 Amps @ 20% Duty
Max Primary Current 160 Amps @ 100% Duty

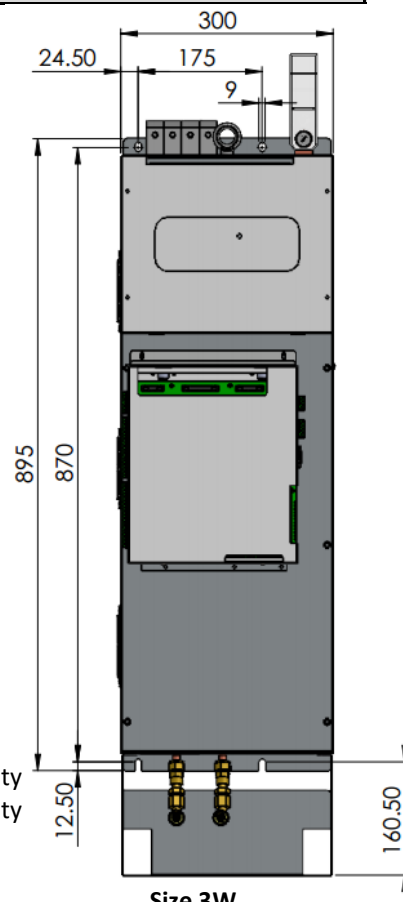
Max Primary Current 600 Amps @ 20% Duty
Max Primary Current 268 Amps @ 100% Duty



Size 2W

iPAK 1000 AW

Max Primary Current 1000 Amps @ 20% Duty
Max Primary Current 447 Amps @ 100% Duty

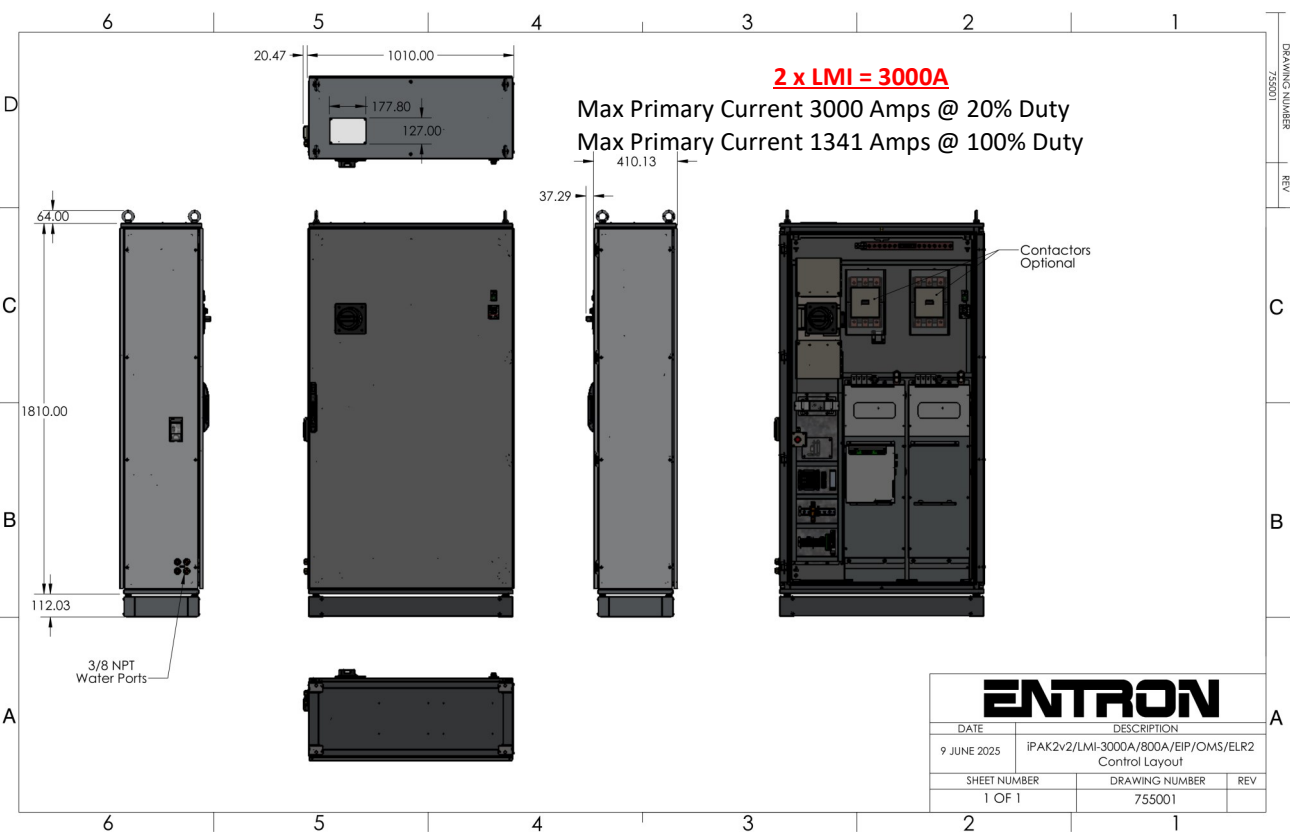
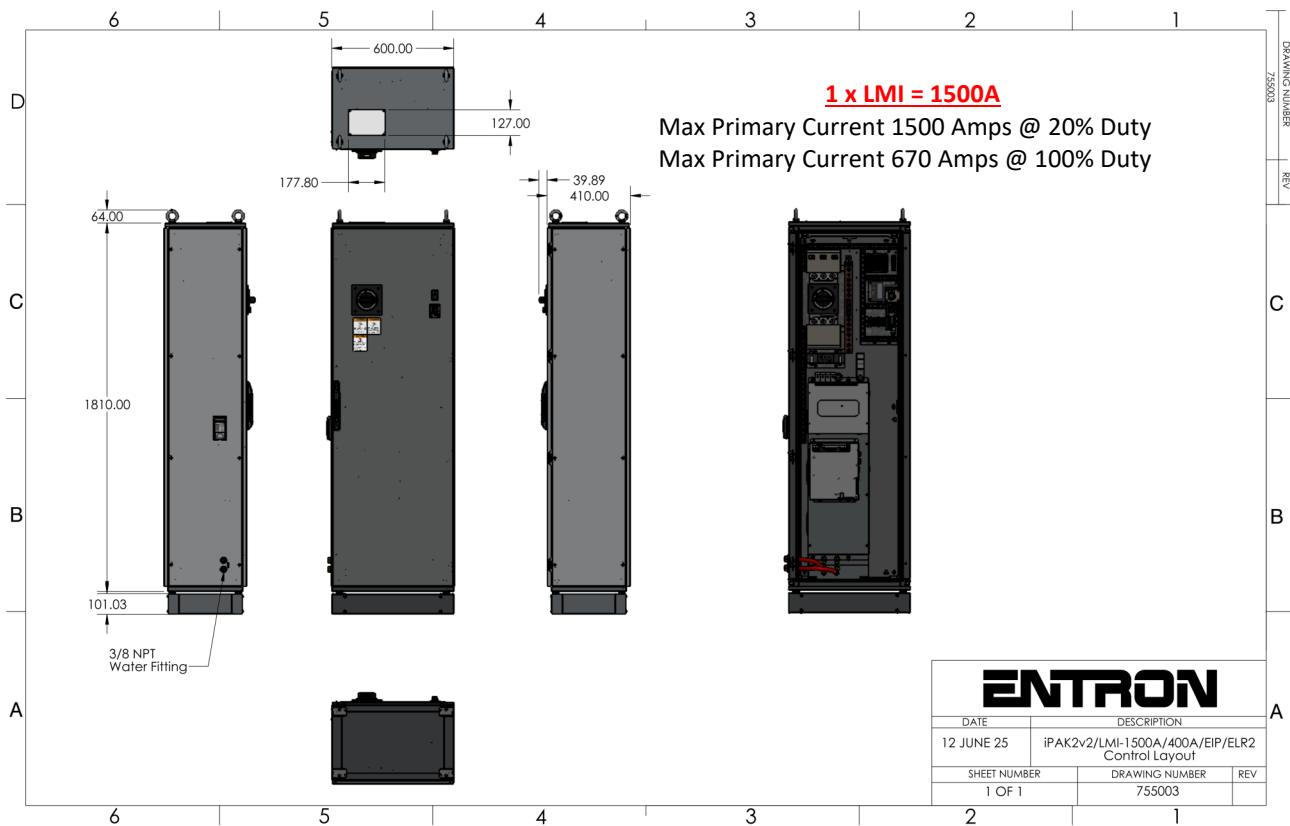


Size 3W

iPAK LMI

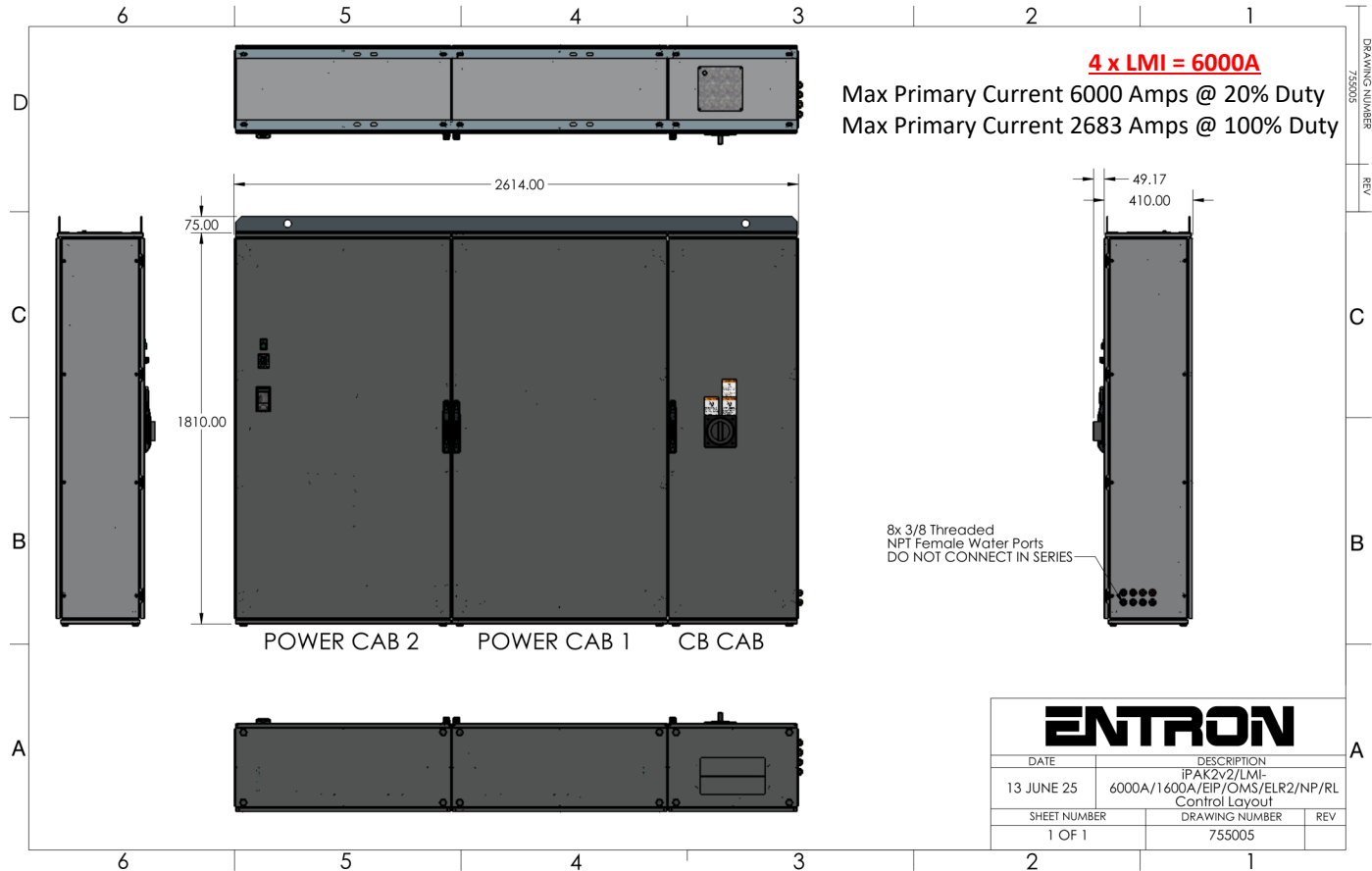
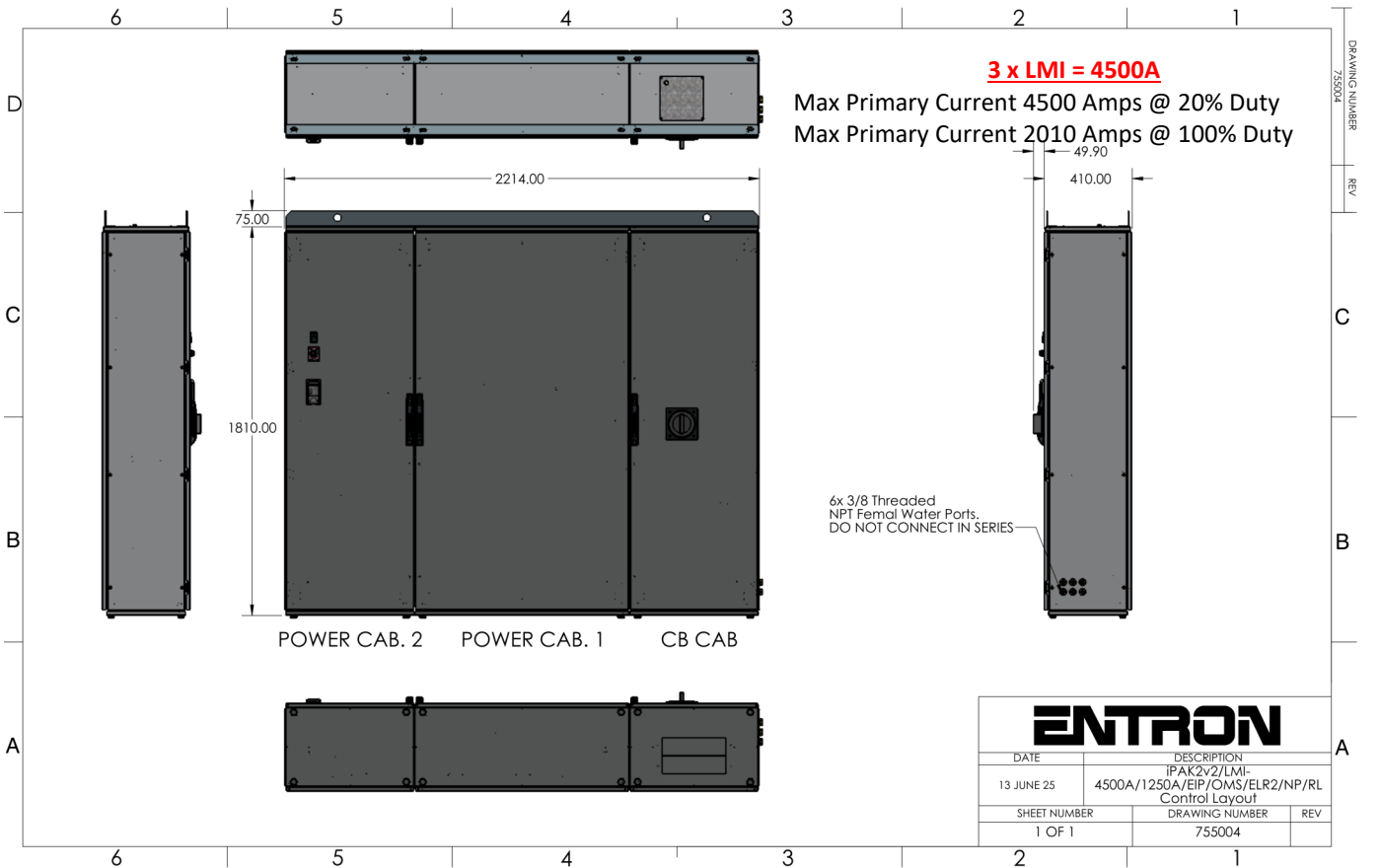


The iPAK-LMI uses multiple 1500A inverters to provide outputs of **1500A, 3000A, 4500A** and 6000A. Only one iPAK2v2 timer is required in each system. These systems come complete with MCCB ect. In floor standing cabinets.





The iPAK-LMI uses multiple 1500A inverters to provide outputs of 1500A, 3000A, **4500A** and **6000A**. Only one iPAK2v2 timer is required in each system. These systems come complete with MCCB ect. In floor standing cabinets.

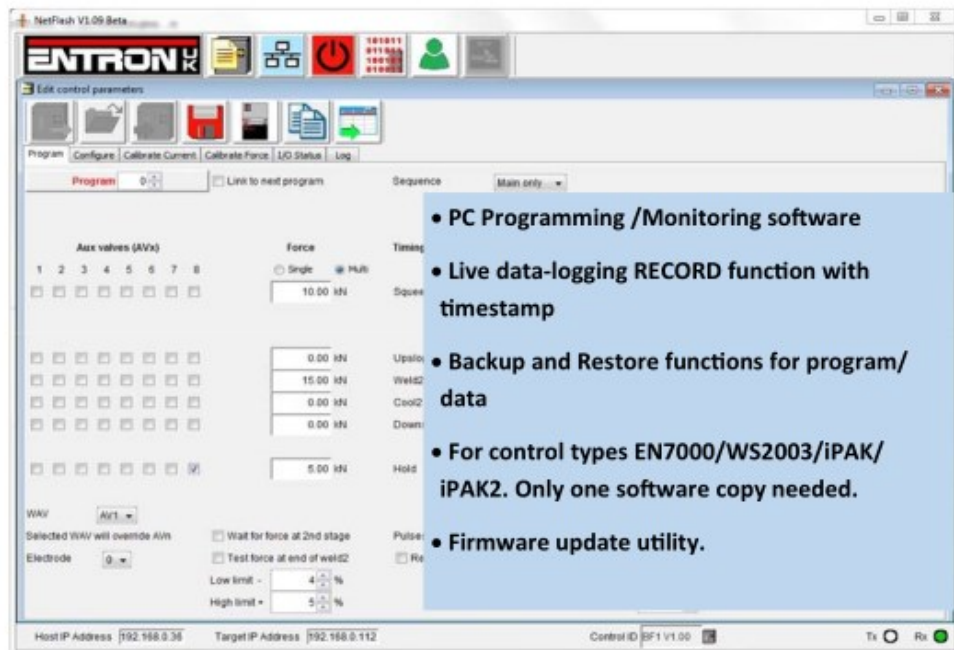




iPAK2v2 CPU

NetFlash PC Software for Ethernet (option)

Easy to use Networked PC. Access iPAK, iPAK2, WS2003, EN7000.



WSP3 Pendant (option)

Easy, intuitive 4 line display

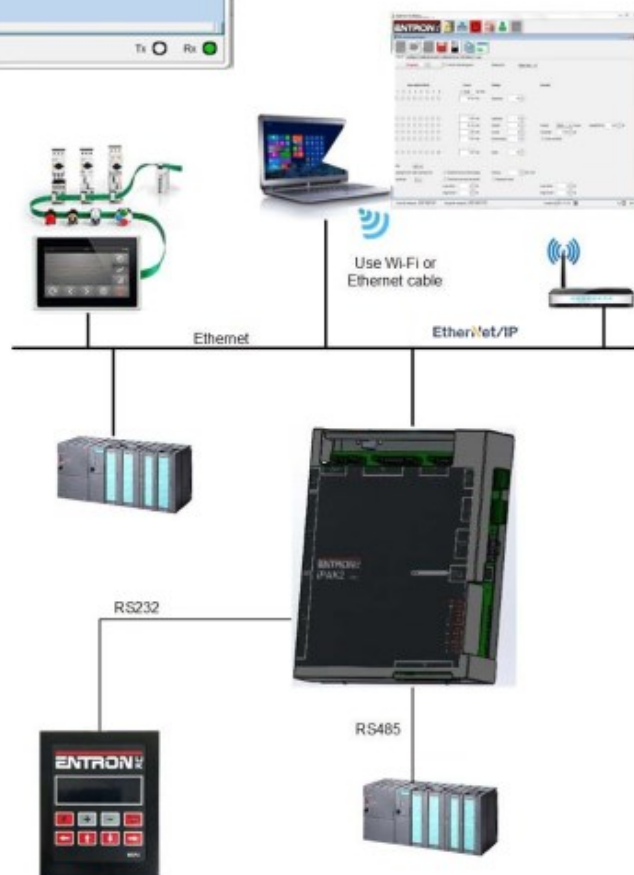
MULTIPLE COMMUNICATIONS SUPPORT :

Modbus-TCP/IP (Ethernet), Modbus-RTU (RS485), RS232 all built-in. EtherNet/IP built-in on iPAK2v2.

MULTIPLE CONTROL METHODS: Discrete I/O plus analog 0-10V, Modbus TCP/IP (Ethernet), Modbus-RTU (RS485), EtherNet/IP.

PROGRAMMING METHODS : Pendant (RS232), HMI RS485, HMI or PC software Ethernet TCP/IP, EtherNet/IP.

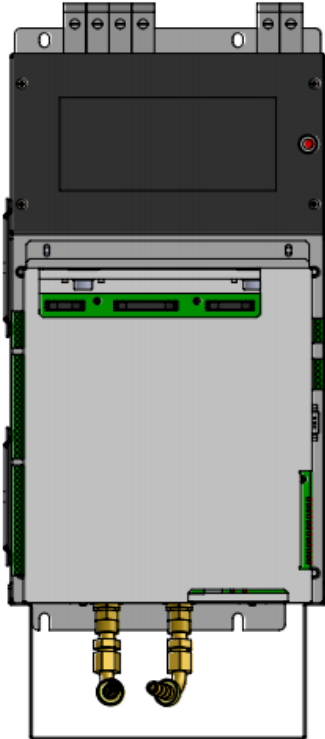
DATA-LOGGING (Spot mode): Internal data-logging up to 6000 records. Data can be recorded to hard drive through NetFlash.





iPAK2v2 CPU

FEATURES



- 256 weld programs (schedules).
 - 3 Weld Intervals—Pre-heat + Main weld +Post heat.
 - Cascade / multivalve operation.
 - Up to 8 transformers and 8 main valve (WAV) outputs.
 - 7 auxiliary valves under program control.
 - 16 Inputs / 16 Outputs (short circuit protected). Dedicated function.
 - Secondary or Primary current regulation.
 - Ethernet (2 simultaneous connections).
 - Ethernet / IP built-in.
 - RS232 Port.
 - RS485 Port.
 - Analog Port connects to Proportional Valve for weld force, or can output a measured current waveform. Can also be used for direct analog control function.
 - Force profiling.
 - Electrode manager (Stepper functions) for up to 8 electrodes.
 - Current and force monitor.
 - C-Monitor checks for secondary circuit shunt or wear conditions.
 - Seam mode—change programs “ **on the fly** ” up to 8 MOTOR command outputs.
 - Standard features mode reduces the available options for simple applications.
 - Feature and programming format common with EN7000v2 AC control.
- Mounts directly to iPAK and iPAK2 inverters.
 - WSP/3, Modbus, Netflash



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 Email: tech.support@entroncontrols.com