EVERLAST
IGBT INVERTER TECHNOLOGY

Power i-MIG 353DPi

Specifications

Processes:	GMAW-P/SMAW (Synergic)	**Input:**	240V 1 Phase 480V 3 Phase	**Output Range:**	MIG: 20-350A/16.5-31.5V Stick: 10-350A/20.4-34V	**I1Max (Inrush) 1/3Ph:** **I1Eff (Rated) 1/3Ph:**	62.5/21.6A 49/18A	**Single Pulse MIG Hz:** **Double Pulse MIG Hz**	Up to 250Hz .1-9.9 Hz
Duty Cycle:	60% @ 350A	**OCV:**	70V	**Dimensions:**	26"Lx20"Hx11"W (main unit)	**Weight:**	113 lbs.	**Max. Wire Feed Speed**	825 IPM
Wire Diameter: **Spool Diameter:** **Programmable:**	.030"-.062" 8" and 12" Yes	**Remote:**	2T, All metals 4T, All metals 4T Sp, Aluminum	**MIG Gun Type:** **Gun Liners Inc:** **Gun Liner Sizes:**	15 ft. SN510 Water-Cooled Steel and Graphene (For Alum.) .045-.062" (opt. .030-.035")	**PowerCool 400 Water Cooler:** **PowerCart 300:** **FCS 203 Wire Feeder:**	Included Included Included	**Drive Roll Mechanism:** **Steel Drive Rolls:** **Aluminum Drive Rolls:**	(4) gear drive .030"-.062" (V) .045"-.062" (U)
Pre/Post Flow:	Yes	**Hot Start:**	Yes (aluminum)	**Burn Back Func:**	Yes	**Crater Fill Control:**	Yes	**Spool/Push Pull Ready:**	Yes

Pulsing to its own beat.

Separate Wire Feeder
The wire feeder sits atop the PowerCart 300 and will swivel to the direction you need. It can also be detached and carried to where you need it thanks to the 15 ft umbilical included with the unit. Holds up to 44 lb spools of wire.

Euro Quick Connection For Gun
The Euro-Quick Connection and water-cooled front mounted quick connections makes gun change out and storage a quick process.

Programmable Memory
Program and save your favorite settings. Recall is just a push of a button to select or save your program.

Independent Wire Jog and Gas Test
Save gas and wire change-out time by using these functions to feed wire and set gas flow rate independently without holding the trigger down to feed wire.

Cart Included
The smooth rolling PowerCart 300 welding cart holds the unit securely and supports up to a 9" gas cylinder.

Water Cooler and Water Cooled MIG Gun Included
The 400A+ PowerCool 400 cooler works well with the industrial-duty North SN510 water-cooled MIG gun that is included. Consumables are readily available and compatible with Binzel type guns. Included Graphene liner allows user to weld Aluminum in standard MIG gun.

Push-Pull and Spool Gun Connection
The unit comes ready to attach either the optional 25 ft. spool gun or optional 25 ft. water-cooled push-pull gun. Added to the 15 ft. umbilical, you can extend your reach up to 40 ft from the main power source and cart.

Main Volt/Amp Control on Feeder
The Volt/Amp Control for the main pulse welding function is split from the main machine settings. This allows you to be able to fine tune the primary setting without returning to the main unit. Other settings are set on power source.

Synergically Controlled Pulse MIG
Synergic function allows the unit to control the welding function via the Amperage control. Once Wire type and size has been entered, simply set Amperage for the thickness of the weld, and set the arc length for the arc length desired. Once arc length is set to how you like it, only Amp adjustment is ever needed in Single Pulse Mode. In Double Pulse mode, it's simply setting two layers of single pulse to achieve the look you desire.

Standard DINSE 35 Type Connector
The unit is equipped with the DINSE 35 Type connector, which is the universal standard for connections for all major

5 Year Parts and Labor Warranty
Simply the best warranty in the business. Who else offers this without paying extra, or giving you a long list of exclusions? We even will provide shipping the first 3 years of the warranty period if it is needed.

Uses: Industrial, Marine, Automotive, Agricultural

Next Level Pulse Capability

While Pulse MIG technology is not exactly new and is over 40 years old now, there are currently dozens of different versions of pulse MIGs that are on the market. Many are even offered by the same manufacturer, under different trade-marked names. It seems every year there is a new name or a rebranded or re-engineered pulse MIG on the market. To be sure there was a need for improvement in manually set pulse MIGs from 40 years ago, but you'd think by now someone would have perfected the programming by now with all the new synergic technology on the market. But no it seems we are stuck with multiple types and styles of advanced Synergically-controlled Pulse MIG technology. One thing is for certain though, pulse MIG has improved along the way, with some outshining the others.

The question comes down to whether you need a basic Single Pulse MIG welder to improve heat control and extend the capabilities of normal MIG welding, or do you need something like a more sophisticated Double Pulse MIG that can help control both heat and appearance by alternating two separate layers of Single Pulse back and forth to create that stack-of-dimes look. Certainly Single Pulse MIGS deliver the most value for the money for production minded people. But for more aesthetically minded people looking for faster-than-TIG methods and need to keep the near TIG quality, the advanced Double Pulse (Pulse-on-pulse type) MIGs are a bit more pricey. Of course, some Pulse MIGs can do both, but the price becomes a serious concern for most small and medium sized businesses. What do you do? What MIG can you trust to deliver both value and top-level performance?

Enter the Power i-MIG 353DPI. The Power i-MIG 353DPi is one of the most powerful synergic Single Pulse and Double Pulse MIGs on the market with 350A output with a class leading 60% duty cycle on either 240V 1 phase voltage or 480V 3 phase voltage. As an added bonus function, it has a powerful stick welding function with 350A output at 60% duty cycle as well. The technology and programming for the Power i-MIG wasn't just a product of one engineer's mind and was rushed through development. Rather it was a collaborative development that Everlast initiated with some of the brightest welding engineers, instructors and welders in the industry to produce one the best performing Pulse MIGs on the market. The proof of success is that the programming and unit has been unchanged since its introduction in 2017. It's as comfortable welding .060" Aluminum as it is welding 3/8" or 1/2" Steel. And not only does the Power i-MIG 353DPi deliver on smooth, low spatter Pulse MIG welds in both Single and Double Pulse modes, it also delivers on price, cheaper than many brands with a warranty longer than any other company in the business.

The Power i-MIG 353DPi synergically welds Pulse MIG weld Steel, Stainless, Aluminum, and has the ability to pulse braze with Silicon Bronze in both Single and Double Pulse MIG Modes. It also can manually weld Steel in conventional short circuit or spray mode. It has all the functions needed for pulse MIG welding including Hot start function (used with Aluminum), and crater filling function. It also even has burn back control to trim the wire after welding is completed. It's equipped with 2T, 4T and a special 4T special mode for hot start control with Aluminum. Setup is simple and Everlast offers free over-the-phone training support to help you get started.

Everlast Power Equipment
380 Swift Ave. Unit 12
South San Francisco, CA 94080

1-877-755-9353
www.everlastwelders.com

ORDER PUBLICATION: PIMIG353dpi June '23

More details...

Operator Panel and Features

- Synergic Single Pulse and Synergic Double Pulse settings.
- Pre and Post Gas Flow for improved weld quality.
- 2T 4T function with 4T Special function for Aluminum to use Hot Start.
- End setting for filling craters at the end of the weld (4T and 4TSp modes).
- Select wire size and type, then adjust amps for plate thickness for easy setup of Single Pulse.
- Stick Function for times when MIG cannot be used.
- Manual mode for non-pulse welding of steel.
- Detachable Wire feeder controls main amps, while wire feeder controls other functions.
- Program functions allows you to save your settings for easy recall.
- Gas test allows you to set gas flow rate without having to use the trigger and activating wire feed.

Welding Thickness Limits*:

*Welding thickness limits are typically described in single pass and multi-pass terms. Multiple pass welds on thicknesses 1/4" and over are typically prescribed as "best practice" welds, whereas a single pass weld, may not yield the best or strongest weld but is used to give a comparative idea of the machines capability. For maximum welding limits, you need to take into consideration the ultimate size of the weldment. Larger weldments will require more welding amperage to make the same weld as a smaller weldment because of heat dissipation capability.

MIG:

- Weld up to a maximum of 1/2" in a single pass Steel/Stainless
- Weld over 3/4" in multiple pass Steel/Stainless
- Weld a minimum of 27 gauge Steel/Stainless (Pulse mode)
- Weld up to a maximum of 3/8" in a single pass Aluminum
- Weld over 3/4" in multiple pass welds Aluminum
- Weld a minimum of 22 Gauge Aluminum (Pulse mode)
- Braze down to a minimum of .025"
- Upper practical limit is 3/16"-1/4" for the Brazing Application

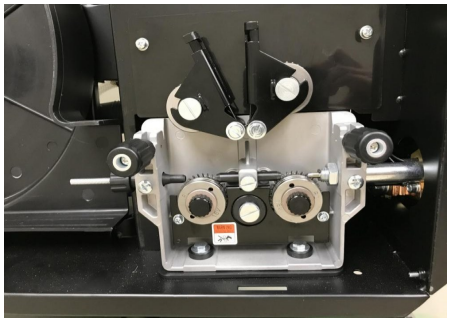
Stick:

- Weld up to a maximum of 1/4" diameter electrode
- Weld with a minimum of 1/16" diameter electrode

What's Included

- FCS 203 wire feeder with 4 drive rolls supports up to 44 lb. spools
- PowerCool 400 water cooler
- PowerCart 300 welding cart
- 15 ft. Water-Cooled North 510 MIG gun
- Liners for both Steel and Aluminum use
- Work Clamp with 10 ft. cable and connector
- Floating Ball type gas regulator
- Drive Roll Kit for Steel and Aluminum
- 10 ft. Stick Electrode Holder
- Power Cable 6.5 Ft.

Wire Feeder



- All 4 drive rolls gear driven, no idlers
- Aluminum and Steel Construction
- Independent tensioners for each drive roll
- 825 IPM No-load maximum speed.

Standard Options

- Parker DSP 360 Air-Cooled Spool Gun
- Parker SGP 401W Water-Cooled Push-Pull Gun

Can this welder be operated on a generator?

- While this unit is quite large and not likely to be used in portable applications, this unit may be operated with a generator as long as it has a rating of 5% or less Total Harmonic Distortion (THD) and 16Kw output.
- Large generators that can supply this type of clean power and wattage are expensive and very limited in supply. If you are considering this welder for off-grid service then please take this into consideration before you purchase.
- Use with undersized generators or with generators that have a THD above 5% voids warranty.