



## Controlled heat input with variably adjustable AC frequency (0.1–50 Hz)

### New, variably adjustable AC frequency (50–200 Hz)

The variably adjustable AC frequency of 50 to 200 Hz results in a more concentrated arc for throat seams and I-impacts. With controlled heat input, the weld seam width can be increased for thin-plate throat seam. Due to the modified current profile, the output current remains constant even at high AC frequency, which allows stable and deep fusion penetration.



Welding current 130 A, AC frequency 150 Hz, speed 25 cm/min, sheet thickness 3 mm

### AC / DC hybrid pulse function

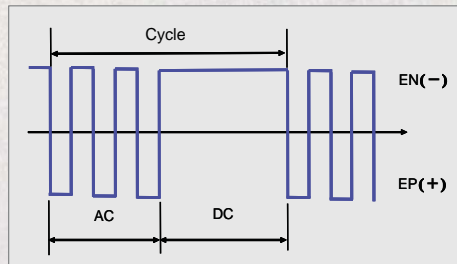
The hybrid pulse mode is a combination of AC pulse and DC pulse, which enables you to weld thicker aluminum materials with high efficiency.

- Deep fusion penetration, without preheating
- Substantial increase in the life of the electrode



Hybrid Pulse

AC pulse



### Safe arc start

The arc start is ensured by an optimized starting current control and a powerful HF igniter.

- Safe arc start, even when using longer hose packs
- Avoidance of ignition problems with multi-layer welding

### Advantages

- Deep fusion penetration, without preheating
- Substantial increase in the electrode life
- More precise formation of the weld seam scaling (with cold wire)
- Variable adjustable AC frequency from 50 to 200 Hz

### “Silent Pulse” function

Sinusoidal current course ensures controlled heat input, and drastically reduces the noise level.

