

# Machines for MMA welding

Inverter devices of the *inverter* **STICK** series



<i>inverter</i> <b>STICK 200</b> <i>powerSinus</i>	1 x 230V	200A/25%ED
<i>inverter</i> <b>STICK 250 H-2</b>	3 x 400V	250A/60%ED
<i>inverter</i> <b>STICK 300 CEL, PWS</b>	3 x 400V	300A/40%ED
<i>inverter</i> <b>STICK 350 ,PWS</b>	3 x 400V	350A/60%ED
<i>inverter</i> <b>STICK 450</b>	3 x 400V	450A/60%ED

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## Inverter devices of the *inverter* **STICK** series

Features	Advantages for the user/client
lightweight	easy handling and transportation
generator-suitable	mains-independent
Hotstart	ignition and re-ignition without problems
flexible	adjustable Arcforcing for excellent welding characteristics for all electrode types
Antistick	current lowering after "freezing" of the electrode
dropped seam-proof	easy vertical-down welding even with cellulose electrodes (300CEL, 350).
remote-control socket units with <b>STICK/TIG</b>	flexible for specialized applications wide variety of possible applications
<b>STICK 200</b> <i>powerSinus</i>	200A from normal 230V socket, cos phi 1, mains voltage tolerance -40%/+15% (138V-264V).
<b>S-sign</b>	application possible at increased electrical risk

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## *inverter* STICK 300 CEL PWS Remote Controls



FR 30F PWS

FR 30 KL

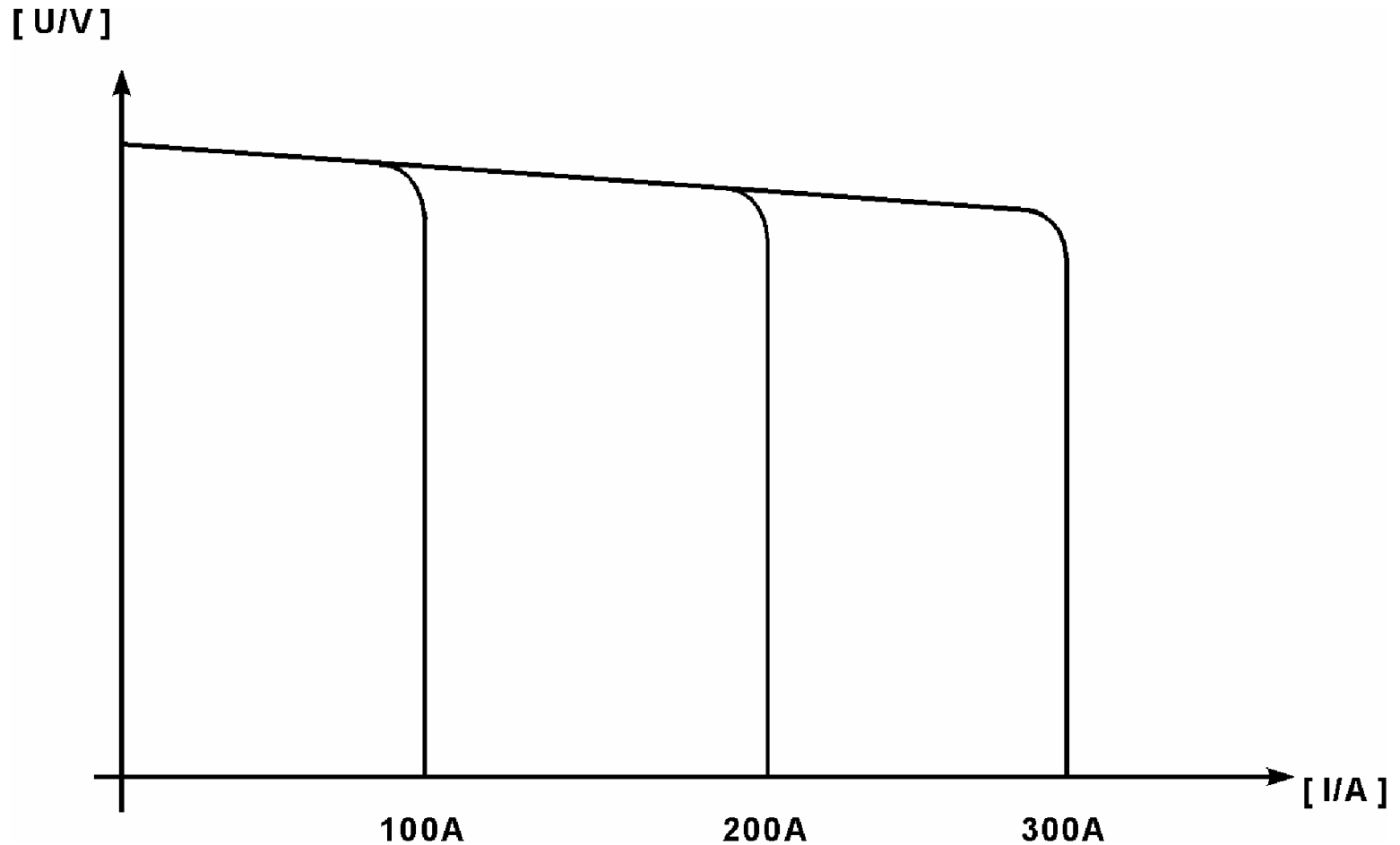


FR 35

- **Excellent welding characteristics**
  - High electrode recovery
  - No welding breaks
  - 100% dropped seam-proof, even with difficult cellulose- electrodes
- **All-purpose devices with adjustable arcforcing for outstanding welding characteristics with the different electrode types (rutile, basic, cellulose).**
- **Easy working by polarity-switching at the device or with remote control.**
  - Remote controls optimally adjusted to the application
    - FR30 F(PWS): setting ranges coarse/fine, polarity switch; important in tube and and pipeline construction
    - FR30KL: cordless remote control, no cable mess; application e.g. in shipbuilding, Off-Shore and others
    - FR 35: Individual setting of Hotstart current and time

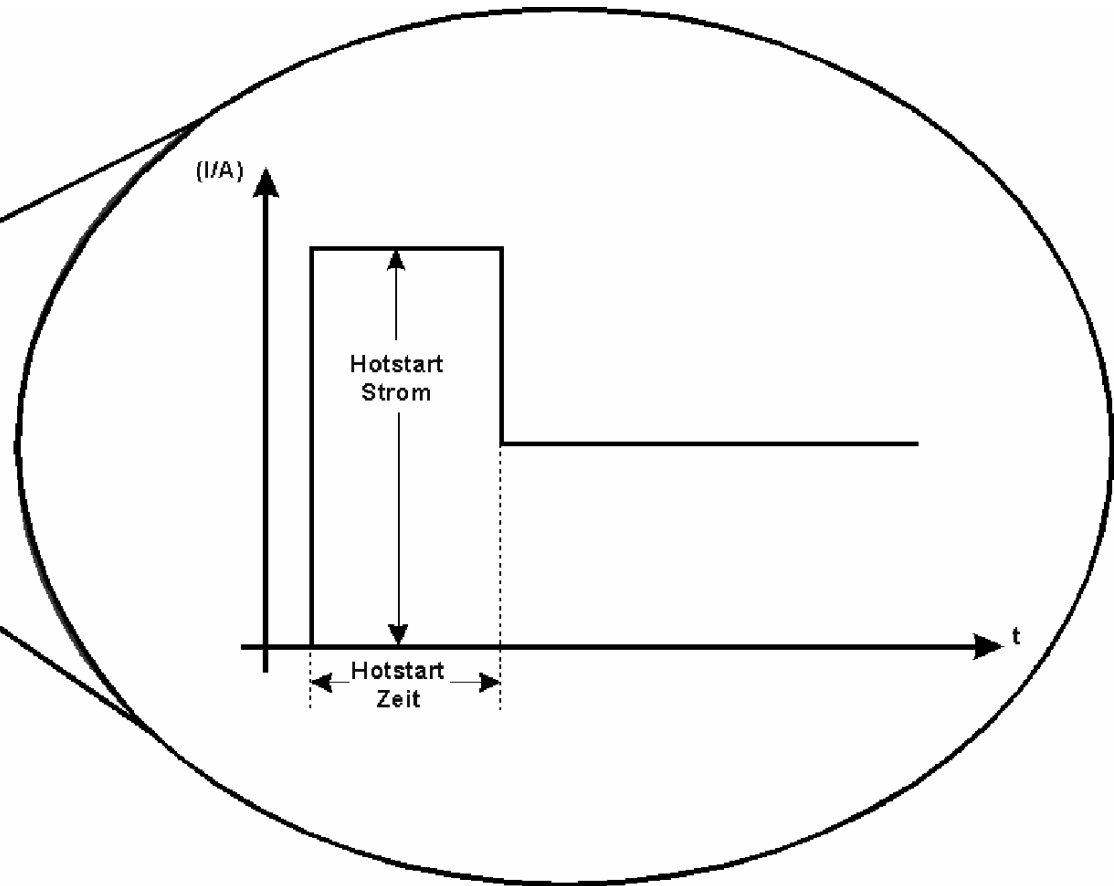
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## MMA Characteristic



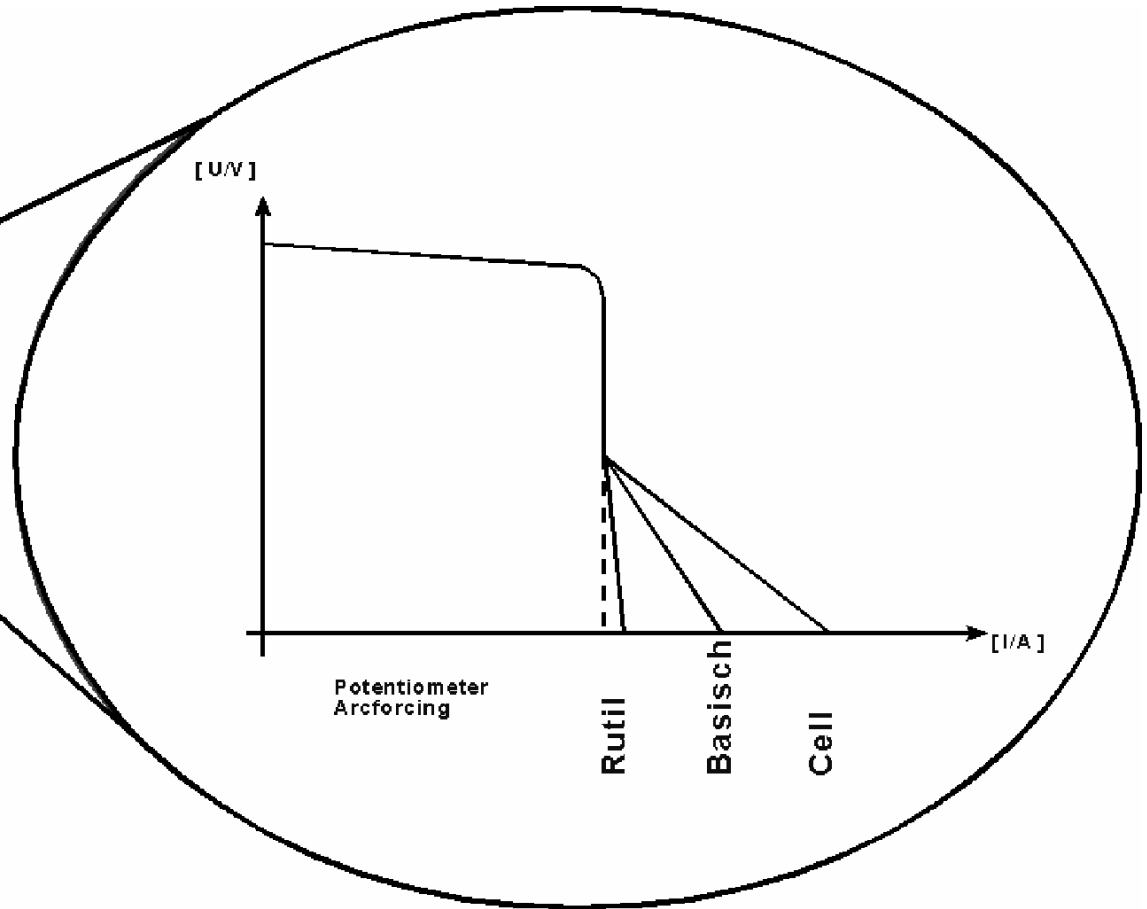
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## Hotstart



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## Arcforcing



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Antistick

