



MobiARC 284 cel/cel±

MMA/STICK ELECTRODE INVERTERS. COMPACT. EFFICIENT. PORTABLE!



FASCINATION WELDING.

www.merkle.de

MobiARC 284 cel/cel ±

COMPACT. POWERFUL & EFFICIENT. PORTABLE.

The welding units MobiARC are based on state-of-the-art inverter technology. That offers outstanding welding characteristics no matter where you need them.

The MobiARC 284 cel ± additionally offers polarity change at the MERKLE remote control.

- **Inverter power sources**

Small, light, portable – ideal for on-site-work or workshop.

- **For vertical-down weld and welding with cellulose electrodes**

Different types of electrodes adjustable.

- **Anti stick function**

In case of adherence of the electrode, the current is switched off immediately. Re-ignition after separation is possible with a short delay.

- **Dynamic current control (Arc-Force)**

If the electrode is pressed into the weld pool the welding current will be increased in order to avoid adherence of the electrode.

- **Polarity change (only MobiARC 284 cel ±)**

Change of polarity by the use of an integrated switch at the remote control.

HAND REMOTE CONTROL



The MERKLE hand remote control has been developed to achieve an optimum adjustment of the welding current when the machine is positioned far from the working area.

- Dust and water proof as well as solid, robust housing.
- Big knop, easy to use even with welding gloves.
- Magnet holder on rear side for easy positioning of the remote control.

SWITCH FOR POLARITY CHANGE

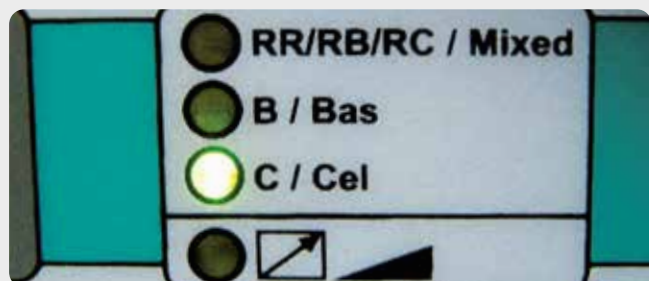


The MobiARC 284 cel ± additionally offers the change of polarity by the use of an integrated switch at the MERKLE remote control.

- Fast polarity change at the MERKLE remote control.
- Offering more comfort and efficiency.



ELECTRODE TYPES



Choose between three kinds of electrode types through the new designed and clearly arranged operating panel. Different characteristic curves for several electrode types:

- Rutile electrodes
- Basic electrodes
- Cellulose electrodes

BiPOWER Plus



The new BiPowerPLUS option available for our MobiARC 282 cel opens new areas of flexibility for welding. In the workshop with 400 V three phase, or on the job site with 230 V, you are prepared wherever you find yourself.

- Practical adapter for an easy change between 400 V and 230 V
- Best flexibility at work, no matter where you need it.



MobiARC 284 cel/cel± TECHNICAL DATA

	MobiARC 284 cel		MobiARC 284 cel±
Power supply	3 x 400 V (50/60 Hz)	1 x 230 V* (50/60 Hz)	3 x 400 V (50/60 Hz)
Continuous current	14 A	16 A*	14 A
Continuous power	9.7 kVA	3.7 kVA*	9.7 kVA
No load voltage	90 V	103 V*	90 V
Welding voltage	20.8 - 31.2 V	20.8 - 26.4 V*	20.8 - 31.2 V
Welding current	20 - 280 A	20 - 160 A*	20 - 280 A
Duty cycle 35 %	280 A (40 °C)	150 A (20 °C)*	280 A (40 °C)
Duty cycle 50 %	250 A (40 °C)	–	250 A (40 °C)
Duty cycle 60 %	240 A (40 °C)	90 A (40 °C)*	240 A (40 °C)
Duty cycle 100 %	210 A (40 °C)	80 A (40 °C)*	210 A (40 °C)
Electrode diameter	1.5 - 6.0 mm	1.5 - 3.25 mm*	1.5 - 6.0 mm
Protection class	IP 23		
Norm	EN 60974-1 „S“		
Adjustments	hot start time and current, electrode type		
Display	all parameters with pre-display and hold function for current		
Switch	stick electrode/LiftTIG		
Current adjustment	at the machine, at the remote control, at the TEDAC-hand shield		
Socket	remote control		
Polarity change	–		remote control
Weight	17 kg		19 kg
Dimensions (l x w x h)	495 x 210 x 450 mm		495 x 210 x 450 mm

Technical modification reserved.

*With BiPOWER Plus-Option

PRODUCT RANGE

- MIG/MAG Welding Units
- Synergic Pulse Welding Units
- TIG Welding Units
- MMA / Stick Electrode Welding Units
- Welding Torches
- Turntables and Roller Drive Units
- Automation Components and Solutions
- Complete Solutions and Robotics
- Specialized Machinery Construction
- MERKLE WeldFACTORY - Industry 4.0



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