





Caddy Tig 2200i TA34

**The Portable and Versatile Solution
for Professional Welding**

Portable and Versatile



- Truly Portable !
 - Extremely lightweight, weighs 9.4 kg only!
 - Extremely compact, half the volume of commonly available inverters
- Wide Operating Window : 3 - 220A (TIG)
4 - 170A (MMA)
- Long input cable lengths up to 100m



Flexibility



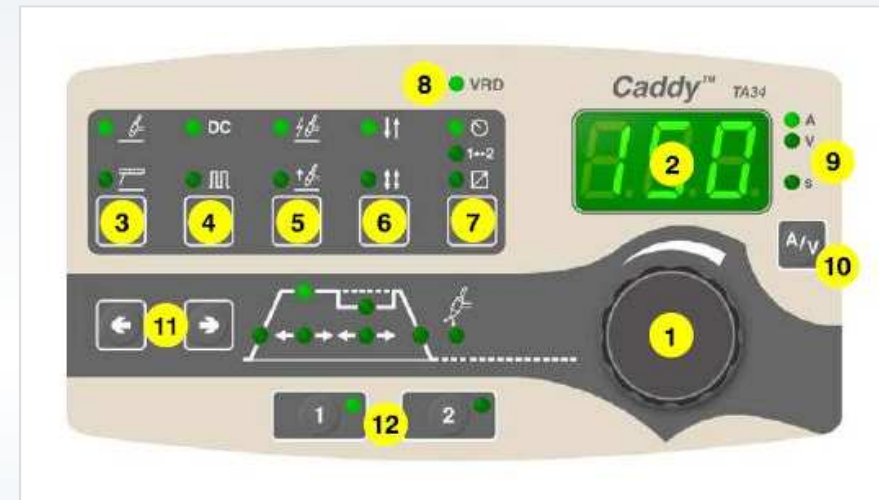
- Welding process suitability: DC TIG / Pulse TIG, MMA
- Adjustable parameters for pulse, micro pulse and background (current / time) provide controlled heat input and excellent welding output in TIG
- Drop welding feature in MMA for controlled heat input and improved welding output on thin sheet SS
- Optional water cooling unit, hand / foot operated remote
- Active PFC - efficient energy utilization and generator friendliness



Advanced Control Panel with User-friendly Controls



- Digital display – Current / Voltage
- Process Selection – MMA / TIG / Pulse TIG
- TIG welding
 - Starting: LiftArc™ / HF
 - Controls provided:
 - up/down slope time
 - pre/post flow time
 - pulse and background current / time
 - micro pulse time
- MMA welding
 - Controls provided: current, arc force and hot start
 - Drop Welding (for thin sheet SS)
- Optional Remote Control
 - Hand: AT1 / AT1 CF CAN
 - Foot: T1 Foot CAN
- Job memory - 2 nos



Safety and Reliability



- In-built protection against thermal overloading
- Voltage Reduction Device (VRD) - OCV to $< 35V$
- Enclosure class IP23 for indoor and outdoor use
- Application class 'S' - operation in areas with increased electrical hazard
- Standards of Conformity
 - EN 60974-1: Power source
 - EN 60974-3: TIG Power source
 - EN 60974-10: EMC
 - EN 61000-3-12: Harmonic currents (New!)
 - RoHS Directive 2002/95/EC (New!)



Technical Specifications

Caddy Tig 2200i TA34



Parameter	Caddy Tig 2200i
Mains supply, V/Ph, Hz	230 ± 10% / 1, 50/60
Input current, A (max)	25
No load power, W	30
Welding process suitability	MMA, TIG (Live TIG)
Open circuit voltage, V (without VRD / with VRD)	55 – 60 / < 35
Output range, A (TIG / MMA)	3 – 220 / 4 – 170
Maximum load at % duty cycle, A (TIG / MMA)	220/20%, 170/25%
Permitted load at 60% duty cycle, A (TIG / MMA)	150 / 130
Permitted load at 100% duty cycle, A (TIG / MMA)	140 / 110
Power factor maximum current	0.99
Efficiency at maximum current, %	81
Dimensions, lxwxh, mm	418 x 188 x 208
Weight, kg	9.4
Operating temperature, Deg C	-10 to +40
Enclosure class	IP23
Insulation class	H
Application class	S
Standards of conformity	IEC 60974 -1, -3, -10, IEC 61000-3-12

Parameter	CoolMini
Type of cooling unit	External
Mains supply, V/Ph, Hz	230 ± 10% / 1, 50/60
Coolant type	50% water / 50% ethylene glycol
Coolant capacity, ltr	2.2
Max water flow, ltr/min	2.0

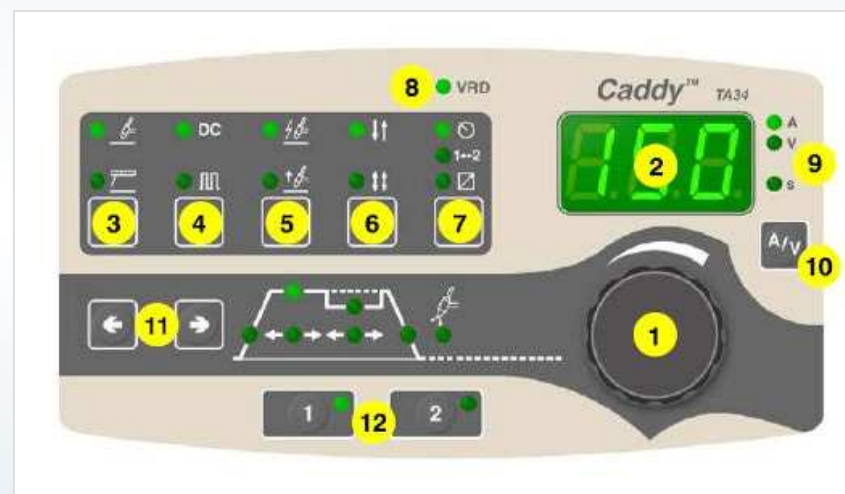


Technical Specifications

Caddy Tig 2200i TA34



Parameter	Control Panel TA34
Panel type	Digital
Process selection, TIG/MMA	YES
Current control (MMA/TIG)	Stepless
Arc Force (MMA)	Adjustable
Hot Start (MMA)	Adjustable
Drop Welding for SS (MMA)	ON / OFF
TIG starting method	HF / LiftArc™
TIG operating mode	2/4 Stroke
Gas pre flow time, sec	0 – 5
Up slope time, sec	0 – 10
Down slope time, sec	0 - 10
Gas post flow time, sec	0 - 25
Pulse current, A	4 - 220
Pulse time, sec	0.01 - 2.5
Micro pulse time, sec	0.001 - 25
Background current, A	4 – 220
Background time, sec (Pulse)	0.01 - 2.5
Background time, sec (Micro Pulse)	0.001 - 25
Remote control	ON / OFF
Minimum current remote, %	0 - 99%
Job memory	YES



Best Suited Application Areas



Caddy Tig 2200i TA34

- Repair and maintenance
- Power plant
- Light fabrication





esab.com

