

Stud Welding Equipment - CD

PEGASAR 500 ACCU - TECHNICAL DATA SHEET



Pegasar 500 accu

Battery-powered stud welding unit
For CD stud welding (capacitor discharge welding/
contact welding) according to current standards

Inverter-Capacitor Charging Technology

- Maximum welding rates
- Minimum energy consumption
- Minimum weight
- Maximum efficiency

Technical Data	
Welding range	Studs (mild steel, stainless steel): #4 to 1/4", dia. 1/8" to 1/4" (M3 to M6, dia. Ø 3 to 6 mm), Studs (aluminum): #4 to #6, dia. 1/8" to 5/32" (M3 to M4, dia. 3 to 4 mm)
Welding material	Mild steel, stainless steel, aluminum
Welding rate	M3 = 40 studs/min. (Charging voltage 55 V) M6 = 20 studs/min. (Charging voltage 95 V)
Sheet thickness workpiece	From 0.02" (0.5 mm)
Capacitance	100,000 µF
Welding time	1 to 3 ms
Energy	500 Ws
Charging voltage	50 to 100 V (stepless voltage regulation)
Primary power	100 V to 240 V, 50/60 Hz, 10 AT, in battery operation: 25.55 V
Ground cable	8.2' (2.5 m), 25 mm ² , 1 vice grip 10" (not possible to extend), (not included in delivery)
Battery	25.55 V / 5.7 Ah / 145.64 Wh (LiNiCoAlO ₂) (not included in delivery)
Number of weldings per battery charge	400 welds M6
Battery charging time	Max. 2.5 h
Battery operating time	At least 400 charging cycles
Power source	Capacitor
Cooling type	F (temperature controlled cooling fan)
IP-code	With inserted battery: IP 44, without battery: IP 23
Dimension L x W x H	18.70" x 11.81" x 13.98" (475 x 300 x 355 mm) with handle
Weight	26.46 lbs (12 kg) incl. battery, 23.59 lbs (10.7 kg) without battery
Suitable stud welding gun	C 06-3, welding cable length 3 m (not possible to extend), (not included in delivery)
Order No	92-12-0500 (Pegasar 500 accu) 88-23-484 (Accu 150 – battery) 88-24-066 (ACCU CHARGER 150 - charging unit for battery type Accu 150) 92-40-154 (Ground cable) 92-20-275 (C 06-3 - stud welding gun) 92-40-050 (Accessories up to 6 mm - chucks M3 to M6, socket wrench) 92-40-118 (Accessories up to 1/4" - chucks #4, #6, #8, #10, 1/4", socket wrench)