



Inverter-Capacitor Charging Technology

Maximum welding rates
Minimum energy consumption
Minimum weight
Maximum efficiency

Pegasar 500 accu

Battery-powered stud welding unit

For CD stud welding (capacitor discharge welding)
according to current standards

Technical Data

Welding range	Studs (steel) M3 to M6, dia. 2 to 6 mm (#4 to 1/4", dia. 14 ga to 1/4"); Studs (aluminium) M3 to M4, dia. 2 to 4 mm (#4 to #6, dia. 14 ga to #6)
Welding material	Mild steel, stainless steel, aluminium
Welding rate	M3 = 40 studs/min. (Charging voltage 55 V) M6 = 20 studs/min. (Charging voltage 100 V)
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 accumulator operation: 25.55 V
Ground cable	2.5 m (8.20'), 25 mm², 1 vice grip 10" (not possible to extend), (not included in delivery)
Battery	25.55 V / 5.7 Ah / 145.64 Wh (LiNiCoAlO2) (not included in delivery)
Number of weldings per accumulator charge	400 weldings M6
Accumulator charging time	Max. 2.5 h
Accumulator operating time	At least 400 charging cycles (at 800 charging cycles still approx. 60 % of the initial capacity)
Power source	Capacitor
Cooling type	F (temperature controlled cooling fan)
IP Code	IP 44
Dimension L x W x H	475 x 300 x 355 mm (18.70" x 11.81" x 13.98") with handle
Weight	12 kg (26.46 lbs) incl. battery, 10.7 kg (23.59 lbs) without battery
Suitable stud welding gun	C 06-3, welding cable length 3 m (not possible to extend), (not included in delivery)

Issue 08/15
(Technical data may change)