

# WALLIUS

## BlackLine 400/500

BlackLine 500 is an Heavy Duty (400A 100% at 40°C) professional 3 Phase Inverter Power Source with separated wire feeder LM 50 PULSE.

LM 50 PULSE is a portable 4-roll drive wire feeder designed to withstand severe environmental conditions.

MIG/MAG available modes are: Manual, Synergic, Pulse Synergic and Double Pulse Synergic. MMA, MMA cellulosic, Lift TIG DC and ARC AIR cutting and gouging processes are also included.

Pulse Synergic and Double Pulse Synergic modes guarantee excellent bead appearance without spatters and deformations of aluminum, stainless steel and mild steel welding. BlackLine 500 is ideal for applications in workshops, carpentry, automotive and construction and high standards welding requirements.

A wide range of MIG-MAG synergic programs facilitate the fast selection of precise welding parameters using any welding wires:

- MAT (wire type)
- $\varnothing$  (wire diameter)
- Gas (shielded gas type)

Welding parameters (wire speed, amps or material thickness) BlackLine 500 can be easily moved on difficult working areas thanks to robust designed chassis.

- Modular concept allows multi-welding processes
- Cooling Unit available
- Fan on demand and Built-in Wind Tunnel protects electronic devices from dust and saltiness and improves reliability
- Up to 8mm diameter electrode welding is possible in MMA
- Excellent welding with Cellulosic Electrodes
- Arc Air gouging and cutting up to 8mm electrode
- Lift TIG DC ignition reduces Tungsten inclusions
- 3T Special allows both Hot Start and Crater Filler current setting, for optimal penetration at start and crater filling at bead's end
- Memory locations for welding process repeatability
- Push-Pull torch applicable for MIG aluminum welding



**WALLIUS**  
**WELDING MACHINES**

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## See details

Main voltage	3 × 400V~ ± 15% / 50-60 Hz								
Main protection	32A DELAYED								
Welding mode	<b>MMA</b>			<b>MIG-MAG</b>			<b>TIG</b>		
Working cycle (40°C)	50%	60%	100%	50%	60%	100%	50%	60%	100%
Welding current	500A	450A	400A	500A	450A	400A	500A	460A	400A
Working voltage	40,0V	38,0V	36,4V	39,0V	36,5V	34,0V	30,3V	28,4V	26,0V
Maximum input power	26,0KVA	22,5KVA	19,5KVA	25,4KVA	21,8KVA	18,6KVA	23,0KVA	20,0KVA	16,0KVA
Maximum input current	37,8A	32,7A	28,0A	37,1A	31,7A	26,7A	33,0A	28,0A	22,5A
Maximum effective input current	26,7A	25,3A	28,0A	26,2A	24,5A	26,7A	19,0A	21,6A	22,5A
Open circuit voltage	83V			12V			12V		
Insulation class	H								
Protection rating	IP23								
Cooling	AF								
Construction standards	EN 60974-1/-10								
Power source size (L × D × H)	500 × 1100 × 1440mm								
Weight	123,0Kg								

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