



# ATHENA DIGITAL



**REDUCED ENVIRONMENTAL IMPACT**



**OPTIMAL BATTERY CHARGE**



**EFFICIENCY GREATER THAN 90%**



**INCREASED BATTERY LIFE**



COMPACT CHARGER WITH LCD DISPLAY FOR CLEAR VIEWING OF CHARGING PARAMETERS

ATHENA DIGITAL offers a wide range of compact and handy chargers with modern digital technology. The control board allows you to view charging parameters, battery voltage, charging current, restored capacity, charging time, and easily configure charger features. The charging efficiency is more than 90%.

**BATTERY CHARGE**  
Innovation

Ideal for:



MATERIAL HANDLING



FLOOR CARE MACHINES



AERIAL PLATFORMS



SHORT-HAUL VEHICLES

## TECHNICAL SPECIFICATIONS

### FEATURES

- Indication on LCD of charge parameters: Voltage, Current, reintegrated Capacity, charge Time
- The simple keypad allows a safe configuration of the parameters: battery voltage, gas point voltage, final charging time, enabling equalization.
- Charging Profile available: Wa, W0Wa, W0Wp, opportunity
- Very high efficiency superior to 90% and Power factor of 0,80 allow low energy consumption and charging costs
- Equalization Charge and Maintenance Charge with programmable parameters
- Maximum and Minimum Voltage control before charging starts
- Maximum voltage control during charge
- Single board model from 12V to 96V
- Serial interface for highly precise programming and calibration
- Short circuit, overload and reverse polarity protection • IP20 intrusion protection
- Internal Design, Testing and Production of Power Transformers
- Thermal protection on the power transformer to avoid over-temperature
- Conformal coating on the control card for moisture protection to grant high reliability
- Excellent ventilation system for better cooling of the transformer
- Working temperature 0 - 50°C



### AVAILABLE MODELS

Volt	Amp.	Mod. 1Ph 230Vac	Mod. 3ph 400Vac	Capacity C5 Ah (9-11h)		Cabinet	Weight
Vdc	Adc	Vac	Vac	Min	Max	Type	Kg.
24	60	•	•	325	400	ATHENA N	30,7
24	80	•	•	435	530	ATHENA N	40,2
24	100	•	•	540	660	ATHENA N	42,2
24	120	•	•	650	795	ATHENA N	44,8
24	140	•	•	760	925	ATHENA N	49,5
24	160	•	•	865	1060	ATHENA N	59,9
24	180	-	•	975	1190	ATHENA L	63,6
24	200	-	•	1080	1320	ATHENA L	64,5
36	60	•	•	325	400	ATHENA N	41,4
36	80	•	•	435	530	ATHENA N	43,1
36	100	•	•	540	660	ATHENA N	47,9
36	120	•	•	650	795	ATHENA N	54,8
36	140	-	•	760	925	ATHENA N	60,3
36	160	-	•	865	1060	ATHENA N	69,7
36	180	-	•	975	1190	ATHENA L	75,0
36	200	-	•	1080	1320	ATHENA L	75,7
48	40	•	•	220	265	ATHENA N	39,4
48	50	•	•	270	330	ATHENA N	39,9
48	60	•	•	325	400	ATHENA N	42,5
48	80	•	•	435	530	ATHENA N	48,7
48	100	•	•	540	660	ATHENA N	53,5
48	120	•	•	650	795	ATHENA N	59,1
48	140	•	•	760	925	ATHENA L	77,1
48	160	•	•	865	1060	ATHENA L	79,6
48	180	-	•	975	1190	ATHENA L	86,0
48	200	-	•	1080	1320	ATHENA L	92,4
72	40	•	•	220	265	ATHENA N	41,8
72	60	•	•	325	400	ATHENA N	42,5
72	80	•	•	435	530	ATHENA N	57,7
72	100	•	•	540	660	ATHENA L	76,0
72	120	•	•	650	795	ATHENA L	85,2
80	40	•	•	220	265	ATHENA N	37,9
80	50	•	•	270	330	ATHENA N	47,6
80	60	•	•	325	400	ATHENA N	52,9
80	80	•	•	435	530	ATHENA N	57,8
80	100	•	•	540	660	ATHENA L	77,1
80	120	•	•	650	795	ATHENA L	86,6

• Model Available - Model not available



**DIMENSION (LxWxH) mm**  
 ATHENA N: 363x500x450  
 ATHENA L: 363x575x550

**CERTIFICATIONS**  
 CERTIFICATIONS CE  
 compliance Safety:  
 CEI EN60335-1  
 EMC: CEI EN61000-6-2  
 CEI EN61000-6-3  
 CEI EN62233

**WARRANTY**  
 12 months

**MODELS**  
 Other models available on demand for different Battery Voltage, Current and Mains Supply.

**Green Energy Technology s.r.l.**

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Made in Italy