Elite PRO

High Frequency Battery Chargers

The Elite PRO 1 Series are high frequency battery chargers with universal input capability accepting 100-240V AC. Output voltage, output current and charging algorithm can be adjusted using dip switches. This is a switch mode charger with high frequency transformers and IGBTs with digital controls. Both current and voltage output are finely controlled regardless of AC input. Low output ripple makes it ideal for sealed batteries including gel, agm flat or spiral and pure lead types. High efficiency > 92% ensures maximum charging power with low consumption. Output currents shown are bulk rates with no power de-rating. Suitable for all brands of wet, gel and agm lead-acid batteries. LiFePO4 and Li-PO profiles available on special order. Model Elite PRO 1 is CEC compliant and bears the BC mark.

Key Features

- fully automatic operation
- microprocessor controlled
- programmable output current and voltage
- digital display of charging parameters
- rugged steel case with handle
- reverse polarity & short circuit protection
- output relay prevents DC plug arcing
- insensitive to line voltage fluctuations
- electrical efficiency > 92%
- universal input - 85-264V range
- cULus Listed

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Applications

Autoscrubbers, sweepers and burnishers

Robotic floor scrubbers

Golf carts

Recreational vehicles

Personnel carriers, tow tractors, utility vehicles

Platform lifts, pallet trucks, stackers

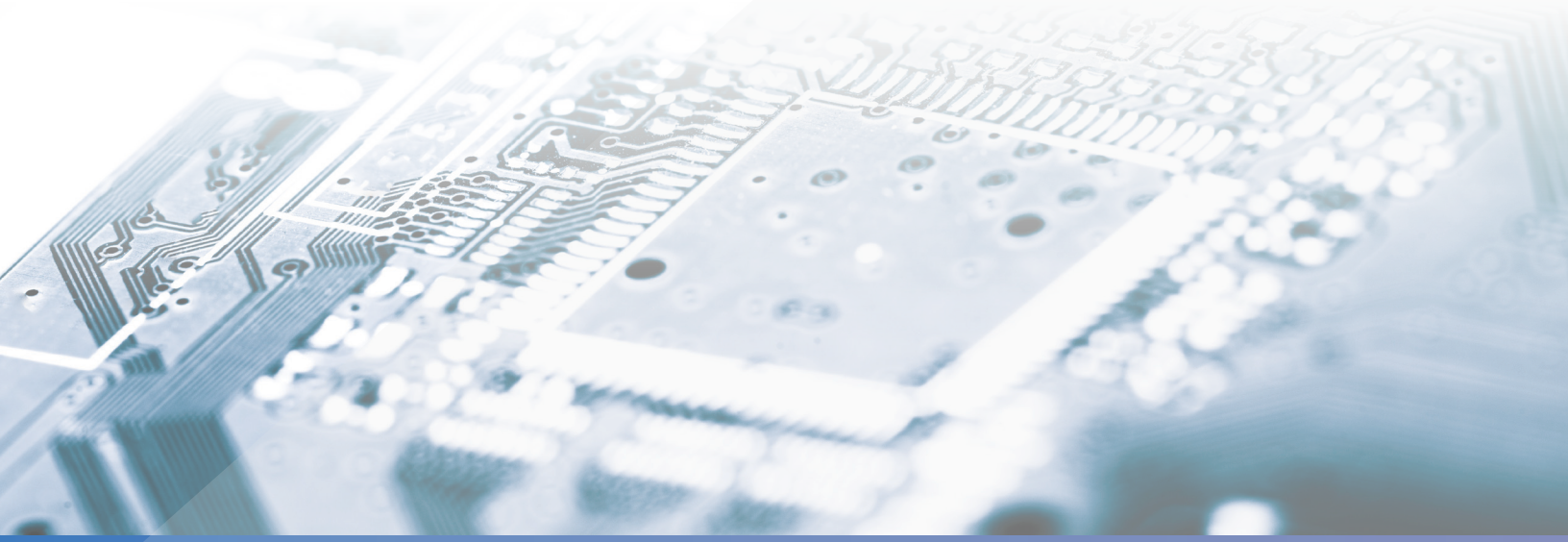
Selection for Battery Size

Model	Output Voltage	Current Output (Max.)	Battery Size Range in Ah (C20) 10-12 Hr Recharge	Battery Size Range in Ah (C5) 10-12 Hr Recharge	Dimensions
Elite PRO 1 11.0 lbs / 5 kg	12V or 24V	15A	140 - 180Ah	95 - 130Ah	11.6 x 7.5 x 4.7" / 295 x 190 x 120mm
		20A	140 - 220Ah	120 - 180Ah	
		25A	180 - 280Ah	180 - 220Ah	
		30A	220 - 320Ah	200 - 270Ah	
	36V	15A	140 - 180Ah	95 - 130Ah	
		20A	140 - 220Ah	120 - 180Ah	
		25A	180 - 280Ah	180 - 220Ah	
	48V	15A	140 - 180Ah	95 - 130Ah	
		20A	140 - 220Ah	120 - 180Ah	
Elite PRO 1 XP 11.2 lbs / 5.1 kg	12V or 24V	35A	305 - 390Ah	250 – 320Ah	11.6 x 7.5 x 4.7" / 295 x 190 x 120mm
		40A	360 - 440Ah	295 – 360Ah	

Technical Characteristics

Input range: 85-264V AC, 50-60Hz
cULus Listed
Output ripple < 100mV at maximum power
Thermal protection against overheating
Operating temperature: -10°C to +45°C (14°F to 113°F)
Max humidity: 90%
Specifications are subject to change without notice

Standard cord set with NEMA5-15P plug. EU cordset or UK cordset available. Other DC connectors are available on request. All units fitted with 4.6'/1.4m DC cable and 6.6'/2.0m AC cable.



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