



ST. GEORGE  
EQUIPMENT



# SERIE 5

Advanced line - Wa

## SUITABLE BATTERIES

PzS wet lead acid

## MAIN APPLICATIONS



## STANDARD AVAILABLE SIZES

Ph	Vac	Output Voltage				
		24	36	48	72	80
1Ph	120	from 40 to 60 A	from 25 to 40 A	from 20 to 30 A	//	//
	208-240	from 80 to 160 A	from 50 to 140 A	from 50 to 120 A	//	//
3Ph	208-240-440-480	from 80 to 200 A	from 80 to 200 A	from 80 to 160 A	from 80 to 140 A	from 80 to 120 A
	600	from 80 to 200 A	from 80 to 200 A	from 80 to 160 A	from 80 to 140 A	from 80 to 120 A

## AH RECHARGE TABLE

A	>>>	20A	25A	30A	40A	50A	60A	80A
Ah (C6)	8h	103	128	154	206	257	308	411
	12-14h	132-147	165-184	198-220	265-294	331-367	397-441	529-588
A	>>>	100A	120A	140A	160A	180A	200A	
Ah (C6)	8h	514	617	719	822	925	1028	
	12-14h	661-735	794-882	926-1029	1058-1176	1190-1322	1323-1469	

# SERIE 5



## PRODUCT INTRO

Serie 5 represents the “Advanced” conventional Wa ranges, aimed for specific markets demanding structured or dedicated characteristics. This series features programmable board with internal memory, enhanced algorithms and USB (setting/troubleshooting/data-report). The integrated digital display permits the complete controlling, programming and diagnostic in real time. Security features involves both mechanical and software solutions.



## GENERAL CHARACTERISTICS

<b>Mains</b>	1phase 120Vac ±5%; 208-240Vac ± 5% 60Hz 3phase 208-240-440-480Vac ±5% 60Hz
<b>Visual signalling</b>	5 LED advanced visualization + integrated DISPLAY for programming, diagnostic, and consulting data storage
<b>Main features</b>	<ul style="list-style-type: none"> <li>• Automatic start, charging process and shutoff</li> <li>• Universal Electronic Board with advanced digital setting by display: profile thresholds/ termination mode/equalization mode/delay start/cable compensation</li> <li>• Final charging stage (adjustable in respect of battery usage): temporal, capacitive (CF% and AH accumulated), derivative dv/dt</li> <li>• Leakage power transformer: taper charger</li> <li>• Wa charging profile (DIN 41774)</li> </ul>
<b>Operating temperature</b>	+32° to +104° F (0° to +40° C) no derating (heavy climate version available)
<b>Efficiency</b>	82/88% depending on power involved
<b>Certifications</b>	CSA

## SAFETY FEATURES

<b>Output protection</b>	Reverse polarity protection: fuse
<b>Thermal protection</b>	Leakage power transformer (class F) provided with thermal probes
<b>General protection</b>	Double security timer: gassing point/max charging duration; additional thermal protection based on algorithm managed by electronic board; battery detection with safety powering

## MECHANICAL CHARACTERISTICS

<b>Protection degree</b>	IP 21
<b>Weight</b>	Depending on model size
<b>Input Cable</b>	Not supplied
<b>Output Cables</b>	2.7 yd (2.5 m) +/-10% (length) - DC plug on demand
<b>Dimensions (LxWxH)</b>	I2C: 21.85 x 17.91 x 35.43 inches P6C: 19.29 x 11.02 x 2.20 inches



P6C

## STD FEATURES/OPTIONALS

ADVANCED LINE	SERIE 5
Integrated display	✓
Multiple input selection	✓
Cable holder	✓
USB port	⊕
Protection cage	⊕

X = not available  
✓ = standard feature  
⊕ = on demand

