

SERIE 5

Advanced line -Wa



MAIN APPLICATIONS



SUITABLE BATTERIES

PzS wet lead acid

STANDARD AVAILABLE SIZES

Ph	Vac	Output Voltage					A
		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	70A	80A	90A	100A
Ah (C5)	9h	103	128	154	206	257	308	360	411	462	514
	12-14h	132-147	165-184	198-220	265-294	331-367	397-441	463-514	529-588	595-661	661-735

A	>>>	110A	120A	130A	140A	150A	160A	170A	180A	190A	200A
Ah (C5)	9h	565	617	668	719	771	822	873	925	976	1028
	12-14h	727-808	794-882	860-955	926-1029	992-1102	1058-1176	1124-1249	1190-1322	1256-1396	1323-1469

PRODUCT INTRO

Series 5 represent the upgrade into “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

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

SAFETY FEATURES

Output protection	Reverse polarity protection: fuse
Thermal protection	Flux dispersion power transformer (class F) provided with thermal probes
General protection	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

Protection degree	IP 21
Weight	Depend on model size
Input cable	not available
Output cables	2,3 m; 2.5 yd +/- 10% (length) DC plug on demand
Dimensions	I2C: L 555 X D 455 X H 900 mm L 21.850 X D 17.913 X H 35.433 inches
	P6C: L 490 X D 280 X H 310 mm L 19.291 X D 11.024 X H 12.205 inches



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

SERIE 5 PULSE

W0 pulse



MAIN APPLICATIONS



SUITABLE BATTERIES

PzS wet lead acid

STANDARD AVAILABLE SIZES

Ph	Vac	Output Voltage					A
		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	>>>	60A	70A	80A	90A	100A	110A	120A
Ah	6,5-8h	259-323	302-377	345-431	388-485	431-539	475-593	518-646
(C5)	8-11h	259-323	302-377	345-431	388-485	431-539	475-593	518-646

A	>>>	130A	140A	150A	160A	170A	180A	200A
Ah	6,5-8h	561-700	604-754	647-808	690-862	734-916	777-970	863-1.077
(C5)	8-11h	561-700	754-1069	808-1146	862-1222	916-1299	970-1375	1.077-1528

PRODUCT INTRO

Series 5 Fast offers our top level conventional charger specifically aimed for quick charge necessities (multiple shift operations) declined into "WO-Pulse".

The range features programmable 5-LED board with internal memory, enhanced charging algorithms and USB (setting/troubleshooting/data-report via PC). The integrated digital display permits the complete controlling, programming and troubleshooting in real time.



GENERAL CHARACTERISTICS

Mains	1phase 120Vac \pm 5%; 208-240Vac \pm 5% 60Hz / 3phase 208-240-440-480Vac \pm 5% 60Hz
Visual signalling	5 LED advanced visualization + integrated DISPLAY for programming, diagnostic, and consulting data storage
Main features	<ul style="list-style-type: none"> • Automatic start, charging process and shutdown • Universal Electronic Board with advanced digital setting by display: profile thresholds/termination mode/equilization mode/delay start/cable compensation • Final charging stage (adjustable in respect of battery usage): Temporal, Capacitive (CF% and AH accumulated), Derivative dv/dt • Flux disperse power transformer: taper charger • WO pulse charging profile
Operating temperature	32° to + 104 °F no derating (heavy climate version available)
Efficiency	82/88% depending on power involved
Certifications	CSA - UL

SAFETY FEATURES

Output protection	Reverse polarity protection: fuse
Thermal protection	Flux dispersion power transformer (class F) provided with thermal probes
General protection	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

Protection degree	IP 21
Weight	Depend on model size
Input cable	2,3 m; 2,5 yd +/- 10% (length) - AC plug on demand
Output cables	2,3 m; 2,5 yd +/- 10% (length) DC plug on demand
Dimensions	I2C: L 555 X D 455 X H 900 mm L 21.85 X D 17.91 X H 35.43 inches
	P6C: L 490 X D 280 X H 310 mm L 19.29 X D 11.02 X H 12.20 inches



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