






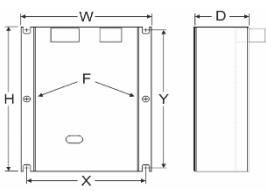
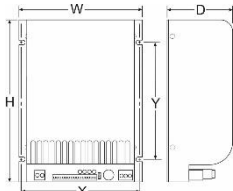
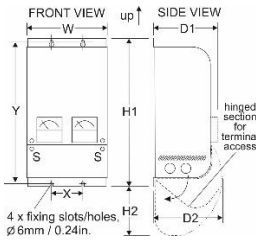
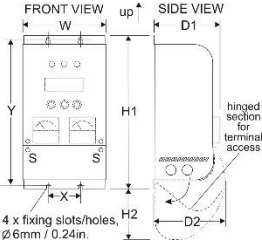




# Sentinel 150P & 300P Battery Chargers

## Feature Comparison

	Open Frame (SNTL) Models		Enclosed (ESNTL) models	
				
<b>Model</b>	Open Frame Sentinel SNTL150P models		Enclosed Sentinel ESNTL300PM	Enclosed Sentinel ESNTL300PCLM
<b>Part Numbers</b>	See Reverse	See Reverse	42.70.3879	42.70.3875
<b>AC Input</b>	95-265VAC		95-265VAC (UL rated to 250VAC)	95-265VAC (UL rated to 250VAC)
<b>DC Output</b>	12V / 5A DC	24V / 5A DC	12 or 24V / 10A DC	12 or 24V / 10A DC
<b>Alarm outputs covering faults:</b> charge fail, charger AC fail,	✓ (programmable)	✓	✓	✓
<b>Alarm outputs covering faults:</b> low batt. volts, high batt. volts		✓	✓	✓
<b>Metering:</b> charge current, battery voltage	None - charger mounted inside panel.	None - charger mounted inside panel. Front of panel meters required for NFPA 110 compliance.	✓	✓
<b>CE conformance</b>	Electrical safety:	2014/35/EU, UK SI 2016/1101 (EN IEC 61204-7:2018)	2006/95/EC	2006/95/EC
	Electromagnetic Compatibility:	2014/30/EU, UK SI 2016/1091 (EN 55032:2015, EN 61000-6-3:2007 + A1:2011, EN 61000-6-2:2019)	2004/108/EC, EN 55022 class B (EN 61000-6-1, EN 61000-6-3)	2004/108/EC, EN 55022 class B (EN 61000-6-1, EN 61000-6-3)
<b>NFPA 110 compliance:</b>	✗	✓ Front of panel meters required: see note above	✓	✓
<b>CSA 22.2 no 107.2 compliance:</b>	✗	✓	✓	✓
<b>UL compliance:</b>	✗	BBGQ: UL 1236 BBHH: UL 1236 SE 	BBGQ: UL 1236 BBHH: UL 1236 SE 	BBGQ: UL 1236 BBHH: UL 1236 SE 
<b>UL file number:</b>	-	BBGQ2.E242077 BBHH2.EX15026	BBGQ.E242077 BBHH.EX15026	BBGQ.E242077 BBHH.EX15026
<b>Dimensions:</b>				
<b>Overall:</b>	W 108.6 mm / 4.28 in. H 135 mm / 5.31 in. H 45 mm / 1.77 in. (12V models) H 55 mm / 2.17 in. (24V models)	W 158 mm / 6.22 in. H 208 mm / 8.19 in. D 84 mm / 3.31 in.	W 165 mm / 6.50 in. H1 300 mm / 11.81 in. H2 80 mm / 3.15 in. D1 125 mm / 4.92 in. D2 130 mm / 5.12 in.	W 165 mm / 6.50 in. H1 300 mm / 11.81 in. H2 80 mm / 3.15 in. D1 125 mm / 4.92 in. D2 130 mm / 5.12 in.
<b>Fixing holes:</b>	X 99 mm / 3.90 in. Y 130 mm / 5.12 in. F Ø 5.65 mm / 0.22 in.	X 150 mm / 5.91 in. Y 150 mm / 5.91 in.	X 63.5 mm / 2.50 in. Y 285.5 mm / 11.25 in.	X 63.5 mm / 2.50 in. Y 285.5 mm / 11.25 in.
<b>Weights:</b>	0.65 kg / 1.43 lb (12V) 0.75 kg / 1.65 lb (24V)	1.1 kg / 2.5 lb.	2.0kg / 4.4 lb	2.1kg / 4.6 lb

		Open Frame (SNTL) Models		Enclosed (ESNTL) models		
		SNTL150P	SNTL300P	ESNTL300PM	ESNTL300PCLM	
<b>Model</b>	Open Frame Sentinel SNTL150P models		Open Frame Sentinel SNTL300P	Enclosed Sentinel ESNTL300PM	Enclosed Sentinel ESNTL300PCLM	
<b>Part Numbers</b>	See below		Alarm o/p & Control i/p	42.70.3850	42.70.3879	42.70.3875
<b>DC Output</b>	42.70.3810	12V / 5A DC	✗	12 or 24V / 10A DC	12 or 24V / 10A DC	12 or 24V / 10A DC
	42.70.3811		✓			
	42.70.3820	24V / 5A DC	✗			
	42.70.3821		✓			
<b>Battery Sizing Guide</b>						
Maximum Ah capacities (C/20 charge rate) shown. Multiple units (Sentinel 300P) may be connected in parallel to achieve NFPA compliant recharge times.						
<b>Single unit:</b>	✓ 100 Ah	✓ 225 Ah	✓ 225 Ah	✓ 225 Ah	✓ 225 Ah	✓ 225 Ah
<b>2 parallel units (300P only)</b> 	✗	✓ 450 Ah	✓ 450 Ah	✓ 450 Ah	✓ 450 Ah	✓ 450 Ah
<b>3 parallel units (300P only):</b> 	✗	✓ 675 Ah	✓ 675 Ah	✓ 675 Ah	✓ 675 Ah	✓ 675 Ah
<b>Battery Type Calibration Compatibility/Part numbers</b>						
<b>12V batteries</b>	Vented lead acid 12V (6 cells)	✓	✓	✓	✓	✓
	Calcium Calcium 12V (6 cells)	✓	✓	✓	✓	✓
	Lead Acid Antimony 12V (6 cells)	✓	✓	✓	✓	✓
	VRLA, AGM 12V (6 cells)	✓	✓	✓	✓	✓
	VRLA, Gel 12V (6 cells)	✓	✓	✓	✓	✓
	Nickel Cadmium (10 cell)	✓	✓	✓	✓	✓
<b>24V batteries</b>	Vented lead acid 24V (12 cells)	✓	✓	✓	✓	✓
	Calcium Calcium 24V (12 cells)	✓	✓	✓	✓	✓
	Lead Acid Antimony 24V (12 cells)	✓	✓	✓	✓	✓
	VRLA, AGM 24V (12 cells)	✓	✓	✓	✓	✓
	VRLA, Gel 24V (12 cells)	✓	✓	✓	✓	✓
	Nickel Cadmium (18 cell)	✓	✓	✓	✓	✓
Nickel Cadmium (20 cell)	✓	✓	✓	✓	✓	✓
<b>Custom calibrations:</b>	✓ SNTL150P-PCSUITE software allows profile editing	✓ SNTL300P-PCSUITE software allows profile editing	✓ SNTL300P-PCSUITE software allows profile editing	✓ SNTL300P-PCSUITE software allows profile editing	✓ SNTL300P-PCSUITE software allows profile editing	✓ SNTL300P-PCSUITE software allows profile editing

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