



STERLING POWER

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PRO CHARGE ULTRA PLUS Marine Grade Global Input AC/DC Battery Charger, Updated

AC Input OR DC Input	90-270VAC // 45-65Hz 130-320VDC
Efficiency	90.4%
Battery Chemistries	Suitable for all battery types within the voltage range. Lithium included.
Number of outputs	Dependent on model. PCU1210 has two outputs. All other models have three outputs.
Preset Battery Profiles	11 preset battery types, including 4x lithium presets. In the unlikely case none of our presets suit your batteries perfectly, we also have two custom profiles. One for lithium custom, one for lead acid custom. Absorption time now adjustable.
Lithium Features	Live output voltage so as to offer the ability to wake up a dormant BMS Low temperature (0DegC) charge disconnect (In place of the temperature compensation featured on lead acid) A feed that allows your BMS to disable charge, with either a positive or resistance based connection
Operating Temperature	-40DegC to +60DegC
Approvals	UL, UKCA, CSA, CE, EN, TUV, CEC Compliant
Signal Output	0.25A signal output that mirrors the active output voltage, useful for signalling relays or other voltage based controls
Total Harmonic Distortion	2.4% on voltage and current
Display Accuracy	+/- 1% on voltage and current
Power Factor	0.976 at 230V
Warranty Period	Five years
Protections	Temperature sensor protections Fan obstruction monitoring DC High Voltage Trip DC Low Voltage Trip DC Output Fault (Reverse Polarity) BMS shutdowns
Improved Ergonomics	A rearrangement of the terminal access, and of the endcap itself offers an improved user experience. Side latches allow quicker and simpler access to the cable access if desired.

Models	DC (V)	Rating (A)	Size	SKU
	12	10	A	PCU1210
	12	20	A	PCU1220
	12	30	A	PCU1230
	12	40	A	PCU1240
	12	50	B	PCU1250
	12	60	B	PCU1260
	24	20	A	PCU2420
	24	30	B	PCU2430
	32	20	B	PCU3220
	36	20	B	PCU3620
	48	15	B	PCU4815

Size A - 260mm x 215mm x 90mm
Size B - 315mm x 215mm x 90mm

Optional Remote part # PCUR



Fig 3.3 PCUR

- PCUR Displays voltage, current.
- Multi-lingual.
- Charging stage and duration.
- Chosen battery type.
- Temperatures.
- Any faults or errors
- PCUR has 3meters of cable

Fig 3.1
Size A PCU

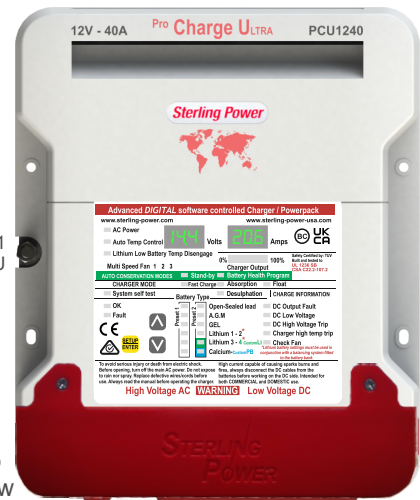
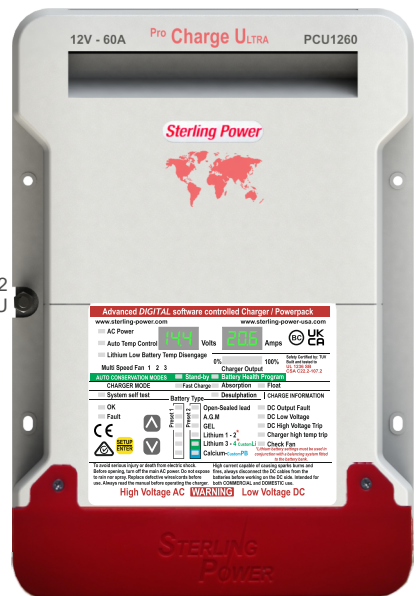


Fig 3.2
Size B PCU



PRO CHARGE ULTRA PLUS NOW AVAILABLE



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