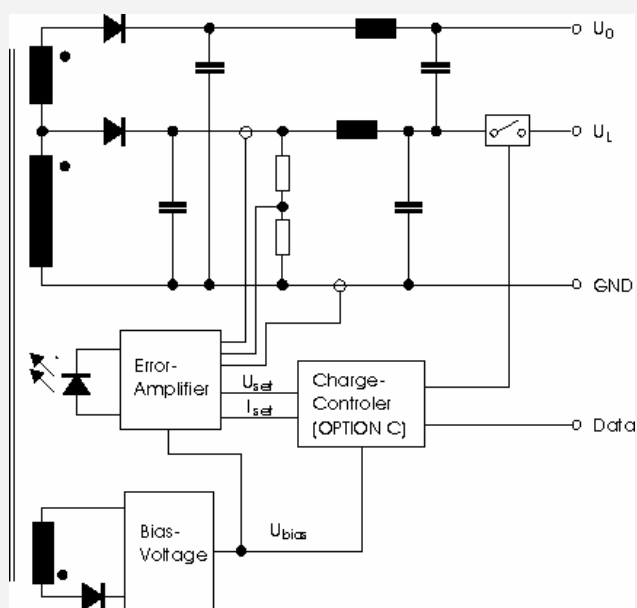


Datasheet



- 20 Watt desktop AC/DC switch mode power supply with programmable charge electronics integrated
- For semi-smart™ and conventional batteries
- Chemistry independent (LiPolymer, LiIon, NiMH, NiCd, SLA)
- Suitable for use with 1s – 4s Lithium Ion and Lithium Polymer batteries and 1s – 10s Nickel Cadmium and Nickel Metal Hydride batteries
- Large input voltage range

- Suitable for use with hand held data capture POS, test and measurement and other industrial applications



Power Supply with Battery Charger PSU30A

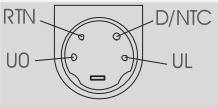
Datasheet



Operating display LED			
Condition	Green	Yellow	Red
Idle		Flashes	
Initial Charge		Flashes	Flashes
Fast Charge		On	
Topping Charge	Flashes	Flashes	
Maintenance (Trickle Charge)	On		
Under-Temperature			Flashes
Over-Temperature			Flashes
Failure			On

Safety & EMC			
Insulation class		II	
Earth leakage current		NA	
Enclosure / Touch leakage current		<250µA	
Safety standards		ITE version IEC60950-1	
Electromagnetic Emissions	Europe	EN55011, class B / EN55022	
	USA	FCC15 class B	
	International	CISPR 22, level B	
Electromagnetic Immunity	ESD immunity	EN/IEC61000-4-2, 4/8kV, performance criteria B	
	Radiated immunity	EN/IEC61000-4-3, 3V/m, performance criteria A	
	EFT / Burst	EN/IEC61000-4-4, 1kV, performance criteria B	
	Surge	EN/IEC61000-4-5, 1kV, performance criteria B	
	Conducted Immunity	EN/IEC61000-4-6, 10V, performance criteria A	
	Magnetic Fields	EN/IEC61000-4-8, 1A/m, performance criteria A	
Regulatory approvals	Europe	CE (EN 60950-1)	
	Japan	PSE	
	International	CB (IEC60950-1:2001)	

Mechanical Details	
Dimensions (LxWxH)	110 mm x 55 mm x 36 mm
Weight	240 g
Material	PC (Polycarbonate), Makrolon, UL94-V0
Degree of Protection provided by Enclosure	IP 42 according to EN 60529

Connector details			
Input connector	2 Pin Inlet IEC-320-C8		Input cable available as EU, US, UK and AUS type
Output connector		Other connector possible (customer specific)	1. U _L voltage/current source output for battery charging 2. U ₀ auxiliary output voltage 3. GND Ground. Common to U _L and U ₀ 4. D 1-wire Bus 5. T thermistor input (only in dumb version)
Output cable length	Typical: ca. 100cm		

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