

Datasheet

Switchmode Chargers

RS Stock number 793-4323



Applications

- Starter batteries
- Cleaning machines
- Stair lifts/patient lifts
- Electrical vehicles
- Mobile lighting
- Mobile measuring technology
- Professional photographic technology

Characteristics

- Low leakage current $\leq 10 \mu\text{A}$ (except DT 80 Pb)
- Medical standard EN 60601-1 (except DT 80 Pb)
- EMC conformity
- Low standby power
- Constant voltage
- Light weight, compact size
- LED charging display

Output data

Voltage	Current	No. of cells	Capacity	Characteristics	Housing
6 V	900 mA	3	2.4 – 16.0 Ah	IU0U	PP 8 EU
6 V	900 mA	3	2.4 – 16.0 Ah	IU0U	PP 8 UK
6 V	900 mA	3	2.4 – 16.0 Ah	IU0U	PP 8 US
6 V	1600 mA	3	4.8 – 32.0 Ah	IU0U	MPP 15
6 V	3000 mA	3	9.0 – 60.0 Ah	IU0U	MPP 30
12 V	500 mA	6	1.5 – 10.0 Ah	IU0U	PP 8 EU
12 V	500 mA	6	1.5 – 10.0 Ah	IU0U	PP 8 US
12 V	1000 mA	6	3.0 – 20.0 Ah	IU0U	MPP 15
12 V	2000 mA	6	6.0 – 40.0 Ah	IU0U	MPP 30
12 V	5000 mA	6	25.0 – 40.0 Ah	IU0U	DT 80 Pb EU/UK
24 V	500 mA	12	1.5 – 10.0 Ah	IU0U	MPP 15
24 V	1000 mA	12	3.0 – 20.0 Ah	IU0U	MPP 30
24 V	1500 mA	12	4.5 – 30.0 Ah	IU0U	MPP 30
24 V	2000 mA	12	10.0 – 16.0 Ah	IU0U	DT 80 Pb EU/UK

Technical data	
Input voltage	230 V AC (DT 80 Pb), 100 to 240 V AC (PP 8, MPP 15/30)
Input current	130 mA (PP 8), 250 mA (MPP 15), 500 mA (MPP 30), 600 mA (DT 80 Pb)
Frequency	50 to 60 Hz
Efficiency	75 % typ. at full load
EMC	Conforms to EN 55011, EN 55014, EN 55022/B, FCC 47 part 15, EN 61000-3-2, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11
Environmental specification	
Operating temp.	0 to 40° C at maximum load
Storage temp.	-40 to 70° C
Humidity	5 % to 95 % non condensing
Input transient	
susceptibility	Complies with IEC 61000 requirements
Safety specification	
Standards	Fulfil class II SELV for the following applications: IEC 60601-1, UL 60601-1 (PP 8, MPP 15/30), IEC 60335-2-29 (DT 80 Pb), VDE, CE label
Reliability specification	
MTBF calculation	200,000 hours at maximum load levels and an ambient temperature of 25° C (in accordance with MIL-HDBK-217)
Mechanical specification	
Weight approx.	700 g (DT 80 Pb), 72 g (PP 8), 130 g (MPP 15), 278 g (MPP 30)
Plug connector	AC input: EURO, UK, USA/Japan (PP 8*), Mains plugs are available for the following regions: EURO, UK, USA/Japan, Australia, IEC (MPP 15/30) 2 Pin IEC 320, C8 socket (DT 80 Pb) DC output: Universal output system (optionally customer specific) (PP 8, MPP 15/30), pole clamps (DT 80 Pb)