

|                                                                            | 6V                                                                                            | 12V          | 24V          | 36V          |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------|--------------|--------------|
| Available versions                                                         |                                                                                               | x            | x            |              |
| Input voltage                                                              | 90 - 264VAC                                                                                   |              |              |              |
| Line frequency                                                             | 47 - 63Hz                                                                                     |              |              |              |
| Step 1 Charge current: Orange                                              | 2.7A ±0.1A                                                                                    | 2.2A ±0.1A   | 1.2A ±0.1A   | 0.8A ±0.05A  |
| Step 2 Charge voltage                                                      | 7.35V ±0.10V                                                                                  | 14.7V ±0.15V | 29.4V ±0.25V | 44.1V ±0.25V |
| - Charge current >: Orange    <: Yellow                                    | 1.20A ±0.1A                                                                                   | 1.00A ±0.1A  | 0.50A ±0.1A  | 0.40A ±0.05A |
| Step 3 Charge termination (2) <: Green                                     | 250mA                                                                                         |              |              |              |
| Standby voltage                                                            | 6.85V ±0.10V                                                                                  | 13.7V ±0.15V | 27.4V ±0.30V | 41.1V ±0.30V |
| Max output power                                                           | 20W                                                                                           | 32W          | 35W          | 35W          |
| Ripple                                                                     | <100mV p-p                                                                                    |              |              |              |
| Efficiency (at 100% load, 230V) approx.                                    | 0.78                                                                                          | 0.84         | 0.87         | 0.87         |
| Switch frequency approx.                                                   | 40kHz                                                                                         |              |              |              |
| Leakage current from battery with mains switched off                       | <250µA                                                                                        |              |              |              |
| Protection                                                                 | Protected against reversed polarity and short circuit proof                                   |              |              |              |
| Temperature range                                                          | Operating: ÷25 to +40oC / Storage: ÷25 to +85oC                                               |              |              |              |
| Safety                                                                     | EN 62368-1, EN 60601-1, UL 60601-1, EN 60335-2-29                                             |              |              |              |
| Insulation class                                                           | Class II                                                                                      |              |              |              |
| Insulation voltage: Primary – secondary                                    | 4000VAC / 5656VDC                                                                             |              |              |              |
| EMC standards                                                              | Med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 61000-6-1                             |              |              |              |
| MTBF at Ta = 30oC and full load: Calculated according to MIL – HDBK – 217F | >250 000 hours                                                                                |              |              |              |
| Mains connection                                                           | 2-pins IEC 60320 connector. (Exchangeable mains plugs EU, UK, US, AU available on type 2542). |              |              |              |
| Output terminals                                                           | Cord with/without plug. Exchangeable plugs available.                                         |              |              |              |
| IP-Grade                                                                   | 41                                                                                            |              |              |              |
| Dimensions                                                                 | 107 x 67 x 37mm (117 × 75 × 44mm for type 2542)                                               |              |              |              |
| Weight                                                                     | 250g (280g for type 2542)                                                                     |              |              |              |

|                                                                               |                                                                                               |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
|                                                                               | 48V                                                                                           |
| Available versions                                                            | x                                                                                             |
| Input voltage                                                                 | 90 - 264VAC                                                                                   |
| Line frequency                                                                | 47 - 63Hz                                                                                     |
| Step 1 Charge current: Orange                                                 | 0.6A ±0.05A                                                                                   |
| Step 2 Charge voltage                                                         | 58.8V ±0.25V                                                                                  |
| - Charge current >: Orange    <: Yellow                                       | 0.25A ±0.05A                                                                                  |
| Step 3 Charge termination (2) <: Green                                        | 100mA                                                                                         |
| Standby voltage                                                               | 54.8V ±0.40V                                                                                  |
| Max output power                                                              | 35W                                                                                           |
| Ripple                                                                        | <100mV p-p                                                                                    |
| Efficiency (at 100% load, 230V) approx.                                       | 0.87                                                                                          |
| Switch frequency approx.                                                      | 40kHz                                                                                         |
| Leakage current from battery with mains switched off                          | <250µA                                                                                        |
| Protection                                                                    | Protected against reversed polarity and short circuit proof                                   |
| Temperature range                                                             | Operating: ÷25 to +40oC / Storage: ÷25 to +85oC                                               |
| Safety                                                                        | EN 62368-1, EN 60601-1, UL 60601-1, EN 60335-2-29                                             |
| Insulation class                                                              | Class II                                                                                      |
| Insulation voltage: Primary – secondary                                       | 4000VAC / 5656VDC                                                                             |
| EMC standards                                                                 | Med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 61000-6-1                             |
| MTBF at Ta = 30oC and full load:<br>Calculated according to MIL – HDBK – 217F | >250 000 hours                                                                                |
| Mains connection                                                              | 2-pins IEC 60320 connector. (Exchangeable mains plugs EU, UK, US, AU available on type 2542). |
| Output terminals                                                              | Cord with/without plug. Exchangeable plugs available.                                         |
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