

	6V	12V	24V	36V
Available versions		x	x	
Input voltage	110 - 230 VAC			
Line frequency	47 - 63Hz			
Max output power	62W	103W	103W	101W
Ripple	<100mV p-p			
Efficiency (at 100% load, 230V) approx.	>86%	>89%	>89%	>89%
Leakage current from battery with mains switched off	<0.6mA	<0.6mA	<1mA	<1mA
Recommended battery capacity	42.5 – 80 Ah	35 – 80 Ah	17.5 – 40 Ah	11.5 – 25 Ah
Step 1 Charge current: Orange	8.5A +0.1/-0.75A	7.0A +0./-0.7A	3.5A +0/-0.4A	2.3A +0/-0.3A
Step 2 Charge voltage	7.35V ±0.05V	14.7V ±0.15V	29.4V ±0.2V	44.1V ±0.2V
- Charge current >: Orange <: Yellow	4.25A ±0.2A	3.5A ±0.2A	1.7A ±0.2A	1.1A ±0.2A
Step 3 Charge termination (2) <: Green	1.6A ±0.2A	1.6A ±0.2A	0.8A ±0.2A	0.5A ±0.2A
Standby voltage	6.85V ±0.05V	13.7V ±0.15V	27.4V ±0.30V	41.1V ±0.30V
NTC input on request (10K)	0-45°C normal charge <0 or >45°C reduced charge (LED indication is yellow)			
Switch frequency approx.	65kHz			
Protection	Protected against reversed polarity and short circuit proof			
Temperature range	Operating: ÷25 to +40oC / Storage: ÷25 to +85oC			
Safety	EN 60601-1, EN 60335-2-29			
Insulation class	Class II			
Insulation voltage: Primary – secondary	4000VAC / 5700VDC			
EMC standards	Med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 61000-6-1			
Mains connection	2-pins IEC 60320/C8 connector. (Non-detachable mains cord on request)			
Output terminals	Battery clips or DC connector.			
IP-Grade	IP41 (IP67 on request).			
Dimensions	160 × 81 × 44.3mm			
Weight	590g (1090g IP67 version)	540g (1040g IP67 version)	540g (1040g IP67 version)	540g (1040g IP67 version)

	48V
Available versions	
Input voltage	110 - 230 VAC
Line frequency	47 - 63Hz
Max output power	100W
Ripple	<100mV p-p
Efficiency (at 100% load, 230V) approx.	>89%
Leakage current from battery with mains switched off	<1mA
Recommended battery capacity	8.5 – 20 Ah
Step 1 Charge current: Orange	1.7A +0/-0.3A
Step 2 Charge voltage	58.8V ±0.3V
- Charge current >: Orange <: Yellow	0.9A ±0.2A
Step 3 Charge termination (2) <: Green	0.4A ±0.1A
Standby voltage	54.8V ±0.30V
NTC input on request (10K)	0-45°C normal charge <0 or >45°C reduced charge (LED indication is yellow)
Switch frequency approx.	65kHz
Protection	Protected against reversed polarity and short circuit proof
Temperature range	Operating: ÷25 to +40oC / Storage: ÷25 to +85oC
Safety	EN 60601-1, EN 60335-2-29
Insulation class	Class II
Insulation voltage: Primary – secondary	4000VAC / 5700VDC
EMC standards	Med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 61000-6-1
Mains connection	2-pins IEC 60320/C8 connector. (Non-detachable mains cord on request)
Output terminals	Battery clips or DC connector.
IP-Grade	IP41 (IP67 on request).
Dimensions	160 × 81 × 44.3mm
Weight	540g (1040g IP67 version)