

GACELL A/S



IMPULSE S 12-24V MULTIFUNCTIONAL

The Impulse S is a multifunctional charger with adjustable settings (12A model only) to fit 12 or 24 Volt and to fit several types of batteries, such as Gel, AGM, or flooded, by means of dipswitches or software.

The factory setting of the charger is Gel.

During the charging - process the following data are being stored:

- Number of interrupted charge cycles.
- Number of completed charge cycles.
- Number of deep discharges.
- Total of charged Ah.
- Total of hours during charging and stand-by.
- The last 10 failures.
- Charge phase, charge time, current, voltage and temperature.
- Last 40 charge cycles including elapsed time, charged Ah and max. voltage.
- On-line read out and graphical display of charge/discharge curves.



- **Simplicity:** The Impulse is a HF (High Frequency) battery charger built in a pvc-housing with only 2 LED's, "charge" and "full".
- **Safety:** TUV Test report and/or certificate available.
- **Reliability:** Failure rate less than 0.2%.

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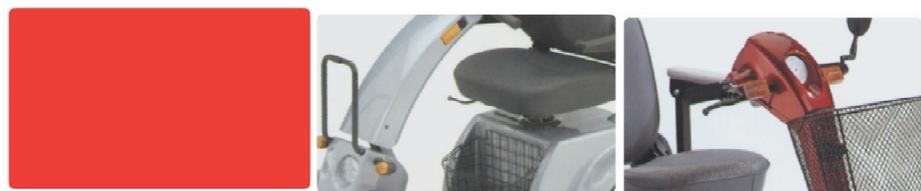
SPECIFICATIONS

IMPULSE S 24V / 6A		
Primary voltage	230 V AC - 50/60 Hz	
Secondary nominal voltage	24 V	
Secondary maximum voltage	35 V	
Secondary current	Can be set by the supplier/dealer, max. 6A for Impulse S 6	
Battery type	Gel	
Battery capacity	Min.	Max. (in order to charge 80% capacity within 8 hours)
Impulse S 6	40 Ah	60 Ah
Protective devices	Protected against reversed polarity, Protected against overvoltage Protected against high temperatures	
Input power	195 W with Impulse S 6	
Efficiency	Min. 80% (at full load)	
Ambient temperature	0°C to +40°C	
Dimensions cabinet	Height: 70 mm, Width: 150 mm, Depth: 200 mm	
Safety class	II	
International Protection clas	IP44 (housing)	
Overall weight	1.3 Kg	
Colour	Grey	
Standards	EN12184, EN60601, EN60335, EN61558, EN60529, ISO7176	

IMPULSE S 24V / 8A		
Primary voltage	230 V AC - 50/60 Hz	
Secondary nominal voltage	24 V	
Secondary maximum voltage	35 V	
Secondary current	Can be set by the supplier/dealer, max. 8A for Impulse S 8	
Battery type	Gel	
Battery capacity	Min.	Max. (in order to charge 80% capacity within 8 hours)
Impulse S 8	60 Ah	85 Ah
Protective devices	Protected against reversed polarity Protected against overvoltage Protected against high temperatures	
Input power	270 W with Impulse S 8	
Efficiency	Min. 80% (at full load)	
Ambient temperature	0°C to +40°C	
Dimensions cabinet	Height: 70 mm, Width: 150 mm, Depth: 200 mm	
Safety class	II	
International Protection class	IP44 (housing)	
Overall weight	1.3 Kg	
Colour	Grey	
Standards	EN12184, EN60601, EN60335, EN61558, EN60529, ISO7176	

IMPULSE S 12-24V / 12A	
Primary voltage	200-253 V AC - 50/60 Hz
Secondary nominal voltage	12 / 24 V
Secondary maximum voltage	35 V
Secondary current	Adjustable by dipswitches Max. 12A for Impulse 12
Battery type	Gel, AGM, Wet, Yellow Top
Protective devices	Protected against reversed polarity Protected against overvoltage Protected against high temperatures
Efficiency	Min. 80% (at full load)
Ambient temperature	0°C to +40°C
Dimensions cabinet	Height: 80 mm, Width: 182 mm, Depth: 220 mm
Safety class	II
International Protection class	IP21
Overall weight	1.55 Kg
Colour	Bronze-grey

Voltage	Battery type		Power
24 V	Gel	40 - 60 Ah	7 A
24 V	Gel	60 - 80 Ah	9 A
24 V	Gel	60 - 100 Ah	12 A
24 V	Wet	50 - 65 Ah	8 A
24 V	Wet	70 - 85 Ah	12 A
24 V	Wet	90 - 115 Ah	12 A
24 V	Wet	120 - 140 Ah	12 A
24 V	Yellow Top	60 Ah	12 A
24 V	Special M	60 Ah	12 A
24 V	Maintenance free	60 - 120 Ah	12 A
12 V	Gel	60 - 120 Ah	12 A
12 V	Wet	50 - 65 Ah	8 A
12 V	Wet	> 70 Ah	12 A
12 V	Yellow Top	60 Ah	12 A





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 The right battery