



## Battery Range Summary

EnerSys<sup>®</sup> PowerSafe<sup>®</sup> OGi monoblocs are classic vented lead-acid batteries ideal for applications with high safety requirements and with high rate discharges such as UPS systems. PowerSafe OGi's technology is also perfectly suited for longer duration discharges (hours) in the telecom and utilities industries.

PowerSafe OGi's special Rod plate design, familiar to EnerSys for over 35 years, offers a high energy density for great footprint savings, a long service life and good cyclic capabilities in industry-standard container sizes. Furthermore, the low antimony lead alloy reduces water topping-up intervals and subsequently maintenance costs.

The vent design and the grid alloy reduce maintenance intervals and costs while transparent containers make visual inspection easier. The high integrity terminal design maximises the operational safety and allows for fast and easy voltage and ohmic measurement readings.

### Features & Benefits

- Proven, reliable flooded lead-acid Rod plate battery technology
- Excellent for fast discharge applications
- Industry-standard size containers
- Large Ampere-hour range: 55Ah to 1000Ah (C<sub>10</sub>/1.80Vpc/20°C)
- Choice of 2, 6 and 12 volt blocs
- Long operational life
- Topping-up intervals: circa 3 years in standby operation at 20°C
- Comprehensive operating temperature range
- All monoblocs available filled and charged
- Compliant with DIN 40737-3 (dimensions) standard

## Construction

- **Positive electrode** - Rod plate with low antimony lead alloy. Proven design and radial grid structure ensure superior long-term behaviour
- **Negative electrode** - pasted flat plates provide perfect balance with the positive plates to give maximum performance
- **Separation** – Special microporous separator, combined with glass fibre mat
- **Container** – Moulded from durable, high impact resistant, clear SAN (styrene acrylonitrile) to allow electrolyte level and bloc condition to be monitored visually
- **Lid material** in strong, opaque ABS polymer. Sealed to container to ensure no electrolyte leakage
- **Electrolyte** - Dilute sulphuric acid with a specific gravity of 1.240 (maximum level) for long lasting and reliable performance
- **Terminal design** - Leak-proof, M10 female safety pole with brass insert
- **Vent plugs** – Proven, high integrity design. Equipped with flame arrestors for additional safety
- **Connectors** – Insulated rigid connectors and bolts offer added safety

## Installation & Operation

- Float charge voltage: 2.23Vpc at 20°C
- Permissible operating temperature range: -10°C to +45°C
- Small floor area required for installation due to high energy density
- Large selection of stands, including seismic stands, available upon request

## Standards

- Designed to be compliant with the requirements of the international IEC 60896-11 standard
- Designed to be compliant with DIN 40737-3 standard (relates to dimensions specifically)
- Products should be installed in accordance with EN 50272-2, IEC 62485-2 and local regulations

## General Specifications

	Voltage (V)	Nominal Capacity (Ah)	Nominal Dimensions (mm)			Typical Weight (Kg)	Short Circuit Current (A)	Internal Resistance [mΩ]
		C <sub>10</sub> @ 20°C to 1.80Vpc	Length	Width	Height			
<b>12 OGi 60</b>	12	55	272	205	385	40.1	1150	10.50
<b>12 OGi 80</b>	12	83	272	205	385	48.3	1730	7.02
<b>12 OGi 110</b>	12	111	272	205	385	55.4	2310	5.28
<b>12 OGi 140</b>	12	139	380	205	385	72.0	2880	4.20
<b>12 OGi 170</b>	12	166	380	205	385	79.4	3460	3.48
<b>6 OGi 200</b>	6	194	272	205	385	43.5	4040	1.50
<b>6 OGi 230</b>	6	222	272	205	385	46.8	4610	1.32
<b>6 OGi 250</b>	6	250	380	205	385	57.7	5190	1.17
<b>6 OGi 280</b>	6	278	380	205	385	61.1	5770	1.05
<b>6 OGi 300</b>	6	305	380	205	385	64.4	6340	0.96
<b>6 OGi 330</b>	6	333	380	205	385	66.1	6920	0.87
<b>2 OGi 670</b>	2	667	272	205	385	46.8	13900	0.15
<b>2 OGi 830</b>	2	834	380	205	385	61.1	17300	0.12
<b>2 OGi 1000</b>	2	1000	380	205	385	66.1	20800	0.10

## Outline Drawings

