

# TECHNICAL DATA SHEET

## DG Y12-120D

### Applications



CYCLIC



STATIONARY



SOLAR



MARINE

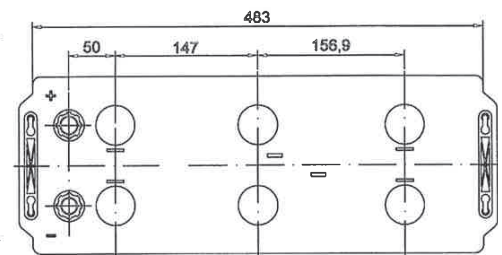
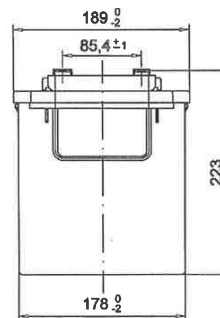
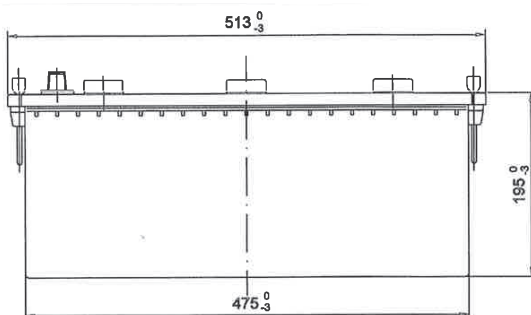
### Specifications

	PERFORMANCES	
Voltage (V):	12 v	
C20 (Ah):	120.0	20 h
Rc (min):	0	
Cranking (A):	760	EN
Vibration:	V3 (35Hz/6g/20h)	
Endurance:	250 cycles@100%	
Charge:	CHARGED	
Technology:	GEL	
Grid :	Ca/Ca	

#### WEIGHT AND STD. DIMENSIONS

Battery Weight (kg):	40.00
Volume acid (l):	0.00
Length (mm):	513
Width (mm):	189
Height (mm):	223

### Dimensions



#### CONTAINER

Type:	D04	GREY MEDIUM
Hold Down:	80	
H. D. Adapter:	No	

#### COVER

Type:	Flat/Screw	GREY MEDIUM
Polarity:	ETN 3	
Terminals:	EN taper post	
Terminal Adapter:	No	
SOCI:	No	
Ventilation:	Independent	
Filter:	No	
Lateral Plug	No	

#### PLUGS

Type:	6 x M27 Valve	GREY MEDIUM
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#### HANDLES

Type:	2 x Rope (Rigid holder)	BLACK
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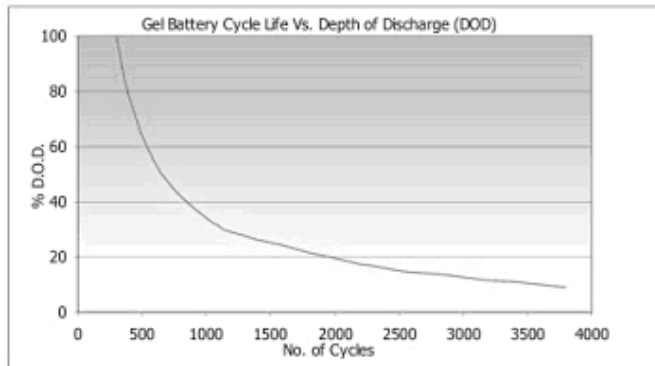
#### OTHERS

Degassing Tube:	No
Gel	

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## DGY12-120D

### Charging



Nominal voltage	6 & 12 volts
Design life	12 Years @ 20°C
Operating temperature	-10 °C to 50°C
Grid alloy	Calcium / Tin lead alloy
Plates	Flat pasted
Separator	Microporous Duroplastic
Active Material	Very high purity lead
Case and cover	ABS (VO on request)
Charge voltage	Float 2.27 - 2.30 VPC @ 20°C Cycling 2.40 @ 20°C Max. 2.4 VPC Max ripple 3.5%
Electrolyte	Charging V Sulphuric acid analytical grade purity

#### CHARGING CHARACTERISTICS

Floating - The optimum float voltage for a battery is temperature dependant, at 15 - 24°C the recommended value is 2.27 - 2.30V. It is recommended that battery installation sites are temperature controlled, however float voltage can be increased or decreased to compensate for temperature variations. Adjustment is calculated at +/- 3 mV per degree C.

Operating Temperature	Recommended Applied Float Voltage VPC
0-9	2.33-2.35
10-14	2.30-2.33
15-19	2.27-2.30
20-24	2.27-2.30
25-29	2.25-2.27
30-34	2.23-2.25
35-40	2.21-2.23

The most suitable charging method for battery life and performance is the constant voltage method with a limited initial current, usually limited to a maximum of  $C_{20}/4$ . For cyclic use we specify a short constant current phase at the end of normal charging, consult us for further details.

Charging - To obtain maximum cycle life from your battery, it is important that a suitable charging profile is used. For information about our range of chargers and our recommended charging profile, please contact us.