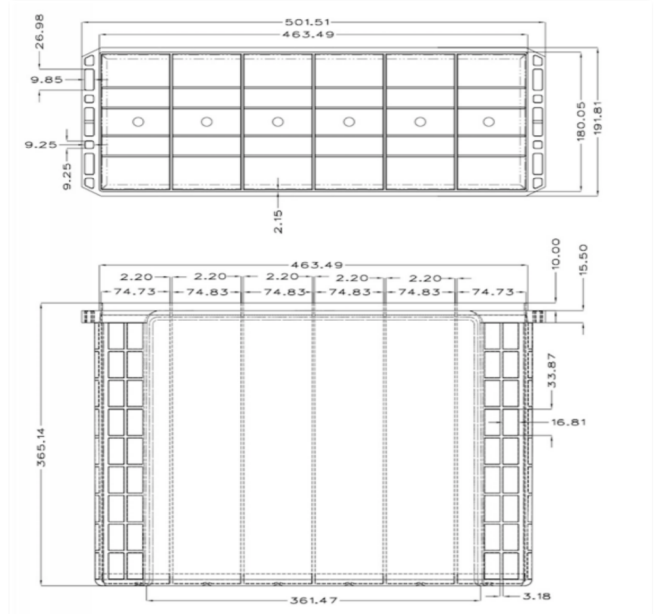


Specifications

Nominal Voltage		12 V
Capacity (25°C)	20HR	220 Ah
	10HR	193 Ah
	5HR	168 Ah
Dimension	Length	505 ± 2mm
	Width	180 ± 2mm
	Height	365 ± 2mm
	Total Height	365 ± 2mm
Approx. Gross Weight		67 kg (147.7lbs) ± 3%
Terminal type		E
Internal resistance (Fully charged, 25°C)		Approx. 5mΩ
Capacity affected by temperature (10HR)	40°C	102%
	27°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 85%
	6 month	Remaining Capacity: 72%
	12 month	Remaining Capacity: 46%
Nominal operating temperature		25°C ± 3°C (80°F ± 5°F)
Operating temperature range	Discharge	-15°C ~ 50°C (5°F ~ 122°F)
	Charge	-10°C ~ 50°C (14°F ~ 122°F)
	Storage	-20°C ~ 50°C (-4°F ~ 122°F)
Float charging voltage(25°C)		13.50 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 15.00V Temperature compensation: -30mV/°C
Maximum charging current		20A
Maximum discharge current		1600A (5 sec.)
Designed floating life(25°C)		12 years



Ah & Wh Efficiency			
Ah Efficiency	> 93%	Wh Efficiency	> 85%

Battery Specified Capacity Test @ 27 Degree °C

C20@10.5V	C10@10.8V	C5@10.8V	C3@10.8V	C2@10.8V	C1@10.5V
220	193	168	148	128	113
C20@12.60	C20@11.50	C20@11.25	C20@11.00	C20@10.80	C20@10.50
0:00	2:45	3:50	4:40	5:04	5:18

