



Features:

- Longer Life
- Long Design Life
- Low Maintenance
- Rugged Performance
- High Charge Acceptance
- High Temperature Performance
- Higher AH efficiency > 90% & WH efficiency > 80%



TECHNICAL SPECIFICATIONS

MODEL	BLACK SERIES	BLACK SERIES	BLUE SERIES	BLUE SERIES	BLUE SERIES	BLUE SERIES
	100Ah-12V	150Ah-12V	200Ah-12V	250Ah-12V	270Ah-12V	300Ah-12V
Model	TT100	TT150	TT200	TT250	T270	TT300
Rated Capacity at 20 hour Rate	100Ah	150Ah	200Ah	250Ah	270Ah	300Ah
Nominal Voltage	12V	12V	12V	12V	12V	12V
Dimensions	Length	503±3mm	503±3mm	503±3mm	503±3mm	503±3mm
	Width	189±2mm	189±2mm	189±2mm	189±2mm	189±2mm
	Height up to Terminal	354±3mm	354±3mm	354±3mm	354±3mm	354±3mm
Fully Charged Battery	Electrolyte Specific Gravity at 27°C	1.250±0.010	1.250±0.010	1.250±0.010	1.250±0.010	1.250±0.010
	Battery Weight (with electrolyte)	50Kg.	55Kg.	63Kg.	69Kg.	70Kg.

BATTERY CHARGING

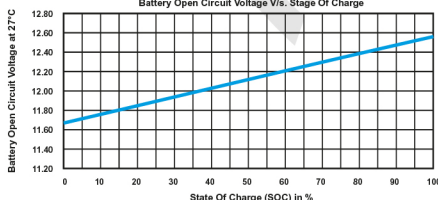
Charging Method	Parameter	100Ah	150Ah	200Ah	250Ah	270Ah	300Ah
Constant Voltage Charging (CV)	Maximum Charging current	27.0A	30.0A	38.0A	42.0A	42.0A	47.0A
	cyclic use	14.40±0.05V	14.40±0.05V	14.40±0.05V	14.40±0.05V	14.40±0.05V	14.40±0.05V
	Float use	13.80±0.05V	13.80±0.05V	13.80±0.05V	13.80±0.05V	13.80±0.05V	13.80±0.05V
Constant Current Charge (CC)	Maximum Charging current	12.0A	15.0A	19.0A	21.0A	21.0A	24.0A

ELECTRICAL PERFORMANCE

Capacity at 27°C	20 Hour Rate to 10.80V	100.0Ah	150.0Ah	200.0Ah	250.0Ah	270.0Ah	300.0Ah
	10 Hour Rate to 10.80V	115.0Ah	132.0Ah	167.5Ah	211.0Ah	211.0Ah	240.0Ah
	5 Hour Rate to 10.80V	77.0Ah	110.0Ah	139.5Ah	177.5Ah	177.5Ah	205.5Ah
	3 Hour Rate to 10.80V	65.0Ah	95.0Ah	120.0Ah	153.5Ah	153.5Ah	180.0Ah
	1 Hour Rate to 10.50V	44.0Ah	66.0Ah	84.0Ah	105.5Ah	105.5Ah	125.5Ah
Loss of capacity on storage per month at 27°C		< 5.0%	< 5.0%	< 5.0%	< 5.0%	< 5.0%	< 5.0%
Percentage (%) of Ampere-hour - Efficiency		> 92.0%	> 92.0%	> 92.0%	> 92.0%	> 92.0%	> 92.0%
Percentage (%) of Watt-hour - Efficiency		> 78.0%	> 78.0%	> 78.0%	> 78.0%	> 78.0%	> 78.0%

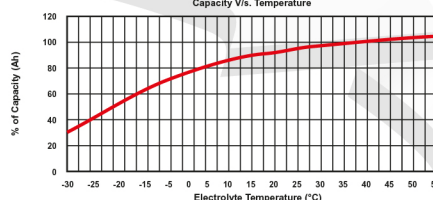
BATTERY STATE OF CHARGE (SOC)

Battery Open Circuit Voltage Vs. Stage Of Charge



BATTERY CAPACITY V/S. TEMPERATURE

Capacity Vs. Temperature



BATTERY LIFE CYCLES CHARACTERISTICS AT 27°C

Battery Capacity Vs No. of Cycles at Various DOD at 27°C

