



PANACEA ALLOYS PVT LTD
TECHNICAL DATA SHEET

MODEL : TW – 105
CAPACITY : 6 V 225 AH @ C-20
BATTERY: Deep cycle flooded Lead Acid Battery

PRODUCT & PHYSICAL SPECIFICATIONS

Voltage	Cells	Dimensions (±5 mm)			Weight (Kg)
		Length	Width	Height	
6	3	260	180	275	30.1

ELECTRICAL SPECIFICATIONS

Capacity in Amp-Hours (Ah)				
25A	75A	5-Hr	10-Hr	20-Hr
450 min	117 min	175	200	225

CHARGING INSTRUCTION

System Voltage:	12V	24V	36V	48V	72V
Bulk Charge:	15.6	31.2	46.8	62.4	93.6
Float Charge:	13.2	26.4	39.6	52.8	79.2
Equalize Charge:	14.1	28.2	42.3	56.4	84.6

OPERATING TEMPERATURE

Minimum Temperature -20 °C
Maximum Temperature +45 °C

SELF DISCHARGE RATE

2-12% per month depending on storage temperature conditions.

RECOMMENDED CHARGE PROFILE

Phase-I	Constant- Current	Constant Current charge at-23 – 27.6 Amps until the battery voltages measures between 7.16-7.31 V/ Battery
Phase-II	Constant- Voltage	Constant Voltage charge at 7.16 – 7.31 V/ Battery (25 °C) until the current measures between 2.28-6.79 Amps
Phase-III	Constant- Current	Constant current charge at 2.28 – 6.79 Amps until the battery voltage measures between 7.6– 8.3 V/Battery (25 °C) OR until dV/dT reaches to less than 0.035

MATERIAL SPECIFICATION

Cover vent style	Vent plugs with Arrestor
Container & cover material	Black/Red Polypropylene plastic
Case to cover seal method	Heat sealing
Inner cell connector type	Through partial welding
Plate lug weld method	Automated cast on process
Positive Grid material	Antimony Lead Alloy
Negative Grid Material	Antimony Lead Alloy
Separator type	Microporous Sleeve type PE



- Do not charge the batteries in sealed or non-ventilated compartment.
- Do not overcharge the batteries it will damage the battery & shorten its life.