



**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	
<b>6</b>	<b>3</b>	<b>260</b>	<b>180</b>	<b>275</b>	<b>30.1</b>

**ELECTRICAL SPECIFICATIONS**

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

**CHARGING INSTRUCTION**

<b>System Voltage:</b>	12V	24V	36V	48V	72V
<b>Bulk Charge:</b>	15.6	31.2	46.8	62.4	93.6
<b>Float Charge:</b>	13.2	26.4	39.6	52.8	79.2
<b>Equalize Charge:</b>	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**

<b>Phase-I</b>	Constant- Current	Constant Current charge at-23 – 27.6 Amps until the battery voltages measures between 7.16-7.31 V/ Battery
<b>Phase-II</b>	Constant- Voltage	Constant Voltage charge at 7.16 – 7.31 V/ Battery (25 °C) until the current measures between 2.28-6.79 Amps
<b>Phase-III</b>	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.