



TALL TUBULAR BATTERY

PRODUCT DESCRIPTION

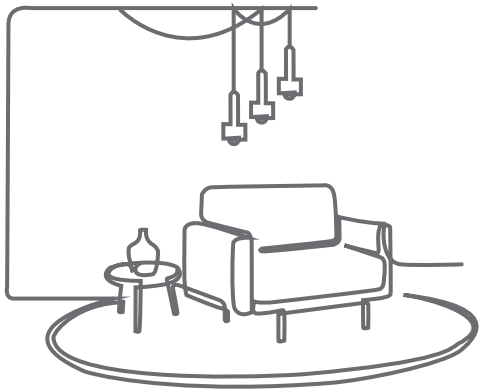
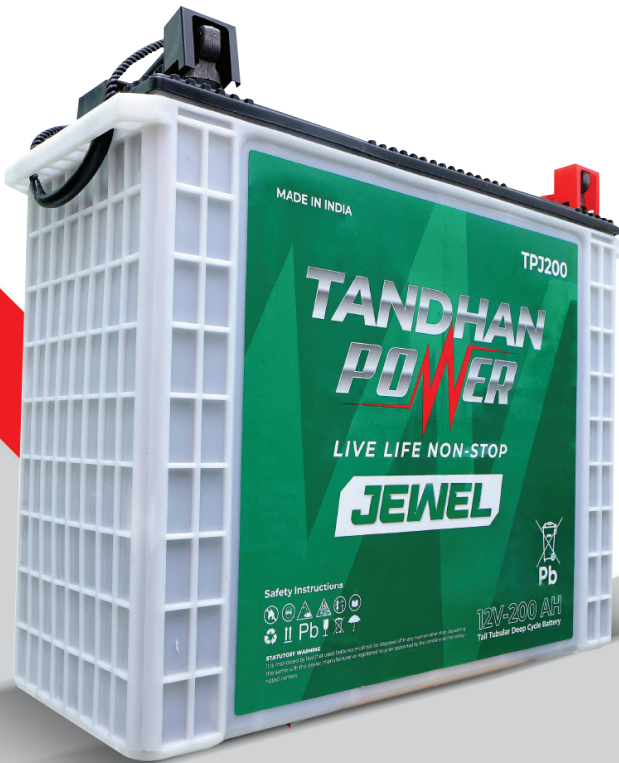
Tandhan Power Jewel Range of Tall Tubular batteries, namely TPJ200TT and TPJ220TT are customized exclusively for Home UPS/Inverter Application. These batteries represents an assortment of Tubular Home UPS/Inverter batteries that are high on Technology, Performance and Service Quality.

PRODUCT FEATURES

- Longer Cycle Life
- Low Self Discharge Rate
- Efficient Deep Discharge Recovery
- Wide Operating Temperature Range

PRODUCT SPECIFICATIONS

BATTERY TYPE	NOMINAL VOLT	RATED CAP. Ah @ 27°C C20@1.75VPC	DIMENSIONS (IN MM) HXLXW ±3			GROSS WEIGHT (kg) ±5%	CONSTANT POTENTIAL LIMITING CURRENT AMP	TRICKLE CHARGE (CURRENT IN MA)	
			Height	Length	Width			Min	Max
TPJ200TT	12	200Ah	410	505	190	60	32.5	100	400
TPJ220TT		220Ah	402	502	188	63	45	130	520



TECHNICAL DATA SHEET

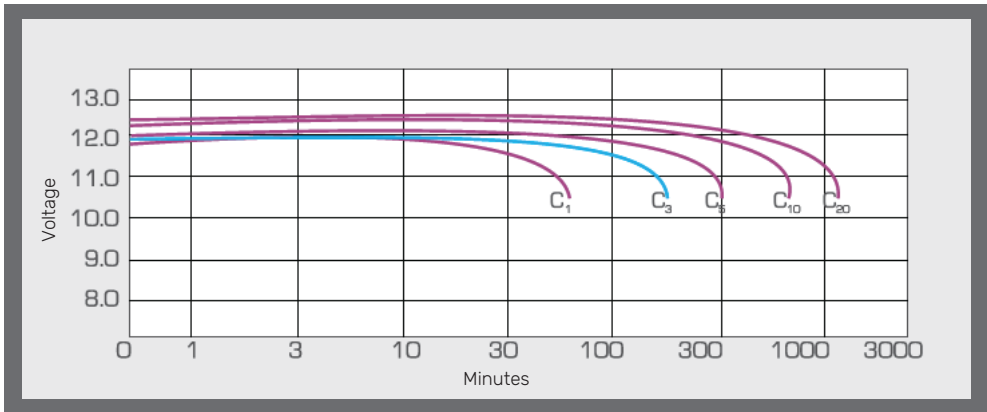
DESCRIPTION	FLOODED TYPE OF BATTERY	
Model	TPJ200TT	TPJ220TT
Rated Capacity	200Ah	220Ah
Nominal Voltage per Unit	12Volt	
Declared C20 Capacity at 27 up to 1.75ECV	200	220
Manufacturer's Name	Tandhan Power	
Standard to which battery is manufactured	12V Flooded ranges meets IS13369	
Loss in capacity in 28days due to self disahrge	<3% per month (As per IS13369)	
Ampere hour Efficiency	>90%	
Watt hours Efficiency	>75%	
INITIAL CHARGING INSTRUCTIONS		
a) Filling in Specific Gravity	1.220±0.005 at 27°C	
b) Rest period	12Hrs	
c) Specific Gravity at fully charged condition	1.220±0.005 at 27°C	
d) Normal charging instructions	Recharging through inverter at constant potential mode of 14.4 with limited current as specified. After battery potential reaches 14.4V the battery should continue in trickle charge mode at constant potential of 13.5V	
e) Self Discharge	Lead Storage batteries can be stored for 3 months at 27°C, Self-discharge ratio less then 3% per month at 27°C. Please charge battery before use.	
TYPE OF PLATE		
Positive Plates	Jewel tubular plates consisting of a lead antimony alloy, optimized for high corrosion resistance. Alloy: lead_Antimony(PbSb)	
Negative Plates	Grid plate construction cosisting of lead antimony alloy, Alloy, lead-Antimony (PbSb)	
Type Of Electrolyte	Dilute H ₂ SO ₄	
Separators	Microporous & Robust PE envelop, for electrical Separation of the positive & negative plates & optimized for low internal resistance	
Type of vent and filling Plugs	Microporous - Ceramic	
Material of Container & Cover	Polypropylene Copolymer (PPCP)	
Sealing Method	Heat Selaed	
Recommended Storage life of Battery (Dry Shelf Life)	6 Months	
Operation temp. range	-20°C to +55°C	
Equilozation and Cycle Service	14.6 to 14.8 VDC/unit Average at 27°C	
Recommended Maximum Charging Current	20Amp	22Amp

Note: Specifications and models subject to change without prior notice

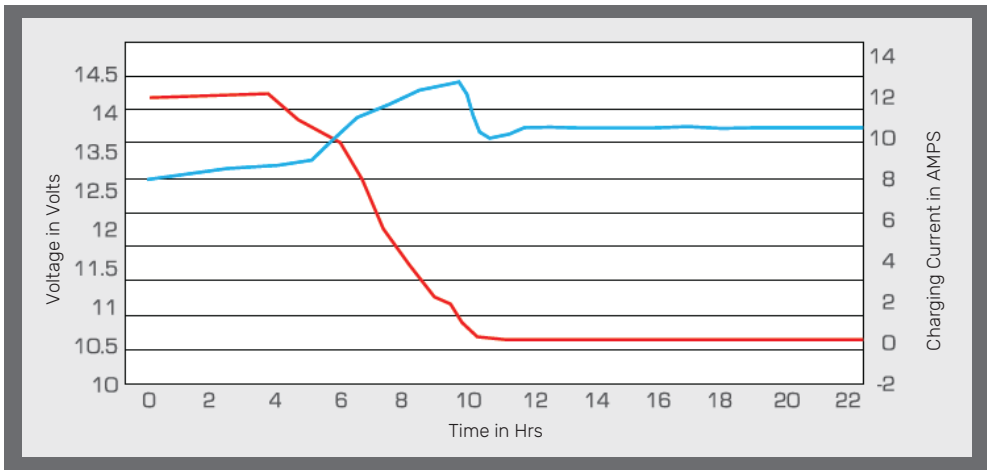
NO. OF CHARGE-DISCHARGE CYCLE BATTERY CAN GIVE DURING ITS ENTIRE LIFE

@50% DOD	2200 Cycles
@80% DOD	1250 Cycles
@100% DOD	1000 Cycles

DISCHARGING CHARACTERISTICS AT VARIOUS RATES @ 27°C



CHARGING CHARACTERISTICS



EXPECTED LIFE @ 27°C

