PRO-MAX
FR-2204
VRLA - 220AH



Unlock the power of sustainable energy with the Fronus FR-2204 Solar Battery, designed to provide you with reliable and efficient energy storage for your home or business. With a commitment to green technology and energy sustainability, Fronus has developed a cutting-edge solution that seamlessly integrates with your solar panel system, offering a dependable and eco-friendly energy storage solution.

SUPPORTED APPLIANCES

- Air Conditioner
- Refrigerator
- LED TV
- Fan
- LED Bulb

★ ★ ★ ★ ★

30 MONTHS WARRANTY

Call
UAN 042 111 111 140

Website
www.fronus.com

PRODUCT SPECIFICATIONS

VRLA BATTERY 220AH

TECHNICAL SPECIFICATION

Model Nomenclature	Voltage	Capacity @ C20	Battery Overall Dimensions (± 3 mm)				Battery weight (±5%)	Battery packed weight (±5%)
			Length	Width	Height (Up to Cover)	Overall Height (Up to Terminal)		
FR-2204	12V	220Ah	502	191	397	415	63 kg	65.5 Kg

ELECTRICAL SPECIFICATION

CAPACITY (Duration)	CAPACITY AMP-HOURS (Ah)			INTERNAL RESISTANCE
@ 400W	20Hr	10Hr	5Hr	7.0 (mΩ)
255~285 Min	220	180	114	

** All data based on stabilized battery capacity on new battery, under controlled laboratory test conditions

CHARGING INSTRUCTIONS

BOOST CHARGING (Amp)		TRICKLE MODE CHARGING (mAmp)	
STARTING RATE	FINISHING RATE	MINIMUM	MAXIMUM
22	11	168	672

CONSTANT POWER DISCHARGE PERFORMANCE

MAXIMUM BACKUP DURATION (HH:MM)				
500W	400W	300W	200W	100W
03:30	04:30	06:30	10:30	24:30

** All test data based on stabilized battery capacity on new battery, under controlled laboratory test conditions

CHARGE CHARACTERISTICS (27 C °)

Cycle Use	Standby Use
14.40 – 15.0V (-40mV/°C), Maximum Current 30A	13.60 - 13.80V (-20mV/°C)

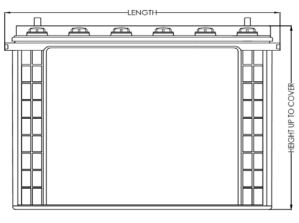
*Battery to be recharged in CV mode only

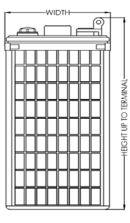
CHARGE TEMPERATURE COMPENSATION

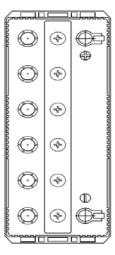
ADD	SUBTRACT
0.005 Volt per cell for every 1°C below 25°C 0.0028 Volt per cell for every 1°F below 77°F	0.005 Volt per cell for every 1°C above 25°C 0.0028 Volt per cell for every 1°F above 77°F

OPERATIONAL DATA

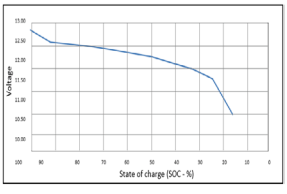
OPERATING TEMPERATURE		SELF DISCHARGE	
-4°F to 113°F (-20°C to +45°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%.		Less than 3% per month at 20°C temperature conditions.	
Rated Capacity at ambient temperature	As per formula: Ct=C27{1+0.0043(t-27)}	Self-Discharge	Conforms to IS13369-1992



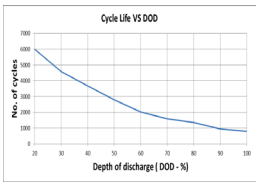




STATE OF CHARGE CHARACTERISTICS



TYPICAL DOD Vs LIFE CYCLE



Version: 01