ENERGY POWER DEEP CYCLE
EXTREME CYCLING APPLICATIONS

FLOOR MACHINE | AERIAL WORK PLATFORM | GOLF & UTILITY VEHICLE | MARINE & RV | RENEWABLE ENERGY BACKUP POWER

TUBULAR PLATE INDUSTRIAL DEEP-CYCLE DATA SHEET

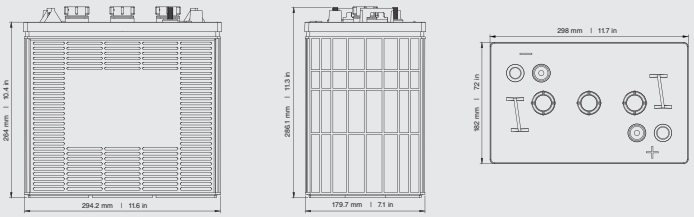
EP 901-6/275

EP 902-6/350

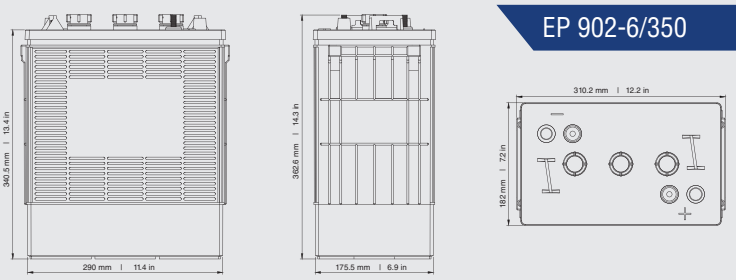
EP 903-6/430

EP 921-12/225

EP 901-6/275



EP 902-6/350



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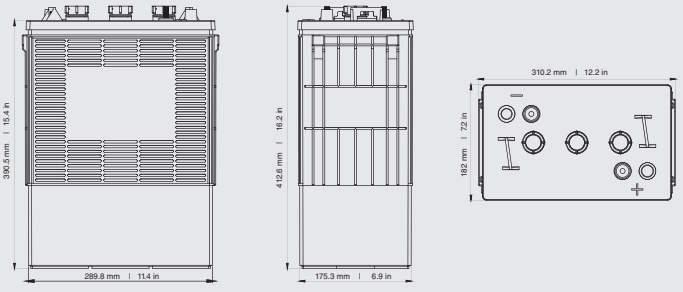
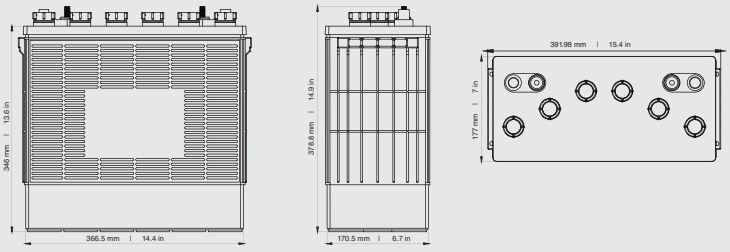


EP 921-12/225



Item	Voltage	Cells	CAP C20 AH	CAP @5HR RATE	RESERVE @75 A	Length mm	Width mm	Height mm	Weight kg	Length in	Width in	Length in	Weight lb	Competitors Reference
EP 901-6/275	6V	3	275	225	175	298	183	283	33	11.7	7.2	11.1	72.6	CR-275/J250
EP 902-6/350	6V	3	350	290	210	298	183	359	50.81	11.7	7.2	14.1	111.8	CR-350/J305E
EP 903-6/430	6V	3	430	340	240	298	183	410	57.68	11.7	7.2	16.1	126.9	CR-430/L16
EP 921-12/225	12V	6	225	180	118	394	178	372	60.5	15.5	7.0	14.6	133.1	CR-215/J185

BOX PP HIGH IMPACT RESISTANT

BATTERY COVER FLAT TYPE

SEPARATOR FIBER GLASS TYPE SEPARATOR

BATTERY TYPE DEEP-CYCLE TECHNOLOGY

OPTIONS ELEVATED VENT PLUG, THREAD TYPE DIA 35MM

CHARGING INSTRUCTIONS

CHARGER VOLTAGE SETTINGS (AT 77°F/25°C)					
SYSTEM VOLTAGE	6V	12V	24V	36V	48V
Bulk Charge	7.41	14.82	29.64	44.46	59.28
Float Charge	6.75	13.50	27.00	40.50	54.00
Equalize Charge	8.10	16.20	32.40	48.60	64.80

Do not install or charge batteries in a sealed or non-ventilated compartment. Constant under or overcharging will damage the battery and shorten its life as with any battery.

TERMINAL CONFIGURATION - TUBULAR PLATE

EMBEDDED LOW PROFILE TERMINAL

Terminal Height Inches (mm)
1.22 (31)

Torque Values in-lb (Nm)
95 - 105 (11 -12)

Bolt
5/16"

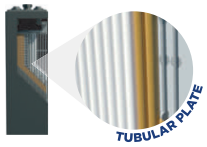
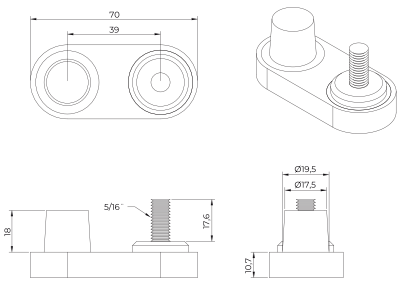
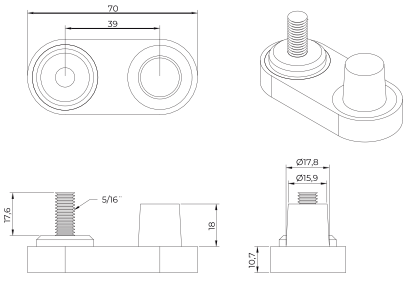


Plate Tubular
Tubular Deep Cycle

FLOOR SCRUBBER TYPE HPT HIGH PROFILE



TERMINAL POSITIVE

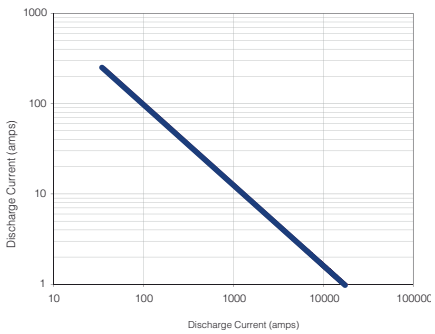


TERMINAL NEGATIVE

STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

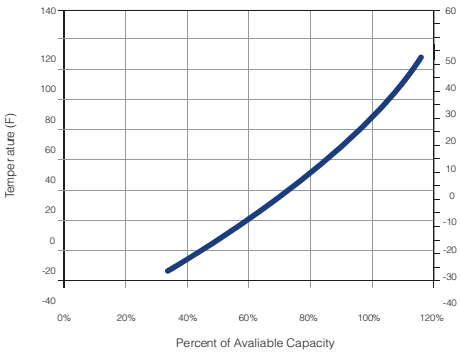
PORCENTAGE CHARGE	SPECIFIC GRAVITY	CELL	6 VOLT
100	1.277	2.122	6.37
90	1.258	2.103	6.31
80	1.238	2.083	6.25
70	1.217	2.062	6.19
60	1.195	2.040	6.12
50	1.172	2.017	6.05
40	1.148	1.993	5.98
30	1.124	1.969	5.91
20	1.098	1.943	5.83
10	1.073	1.918	5.75

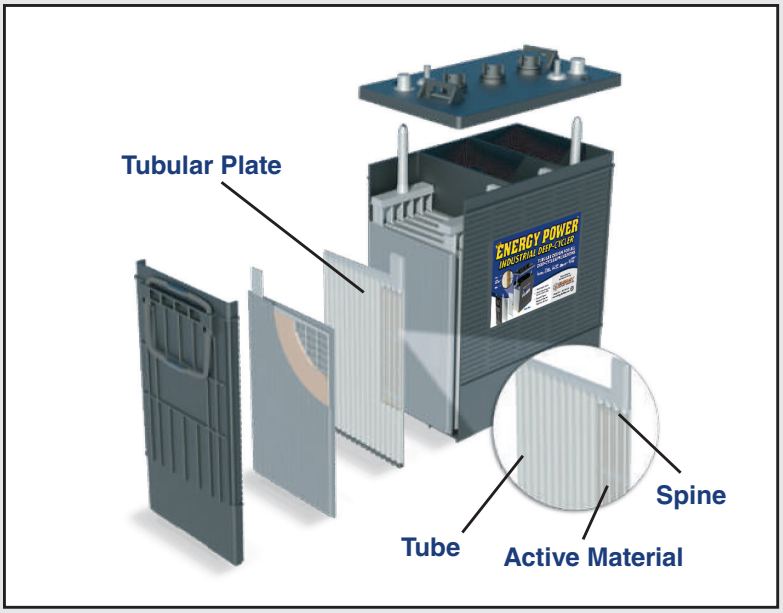
ENERGY BATTERY GROUP 901 PERFORMANCE



Estimation Purposes Only

PERCENT CAPACITY VS. TEMPERATURE





ABOUT ENERGY POWER TUBULAR LEAD-ACID BATTERIES

Tubular lead-acid batteries are a type of deep-cycle battery that is known for their high performance and long service life. They are commonly used in floor cleaning machines, renewable energy systems, backup power systems, and other applications that require a deep discharge capability and a long lifespan. These batteries are characterized by their tubular plates, which are made of lead alloy and have a cylindrical shape. The tubular design of the plates allows for a greater surface area and improved durability, making them well-suited for both on-grid and off-grid deep-cycle applications.

ABOUT POWERLAST TECHNOLOGY

Powerlast technology is a special design of tubular lead-acid batteries that are known for our high performance and long service life. The technology is characterized by tubular plates, which are made of lead alloy and have a cylindrical shape. The tubular design of the plates allows for greater surface area and improved durability, making them well-suited for deep-cycle applications. The Energy Power batteries with Powerlast technology are designed to have a longer service life and can endure more deep discharge cycles than traditional batteries. They are also more tolerant to overcharging and have a lower self-discharge rate which makes them ideal for remote and long-term use in off-grid systems.

with Powerlast technology