



KAMTECH

UNLIMITED POWER INSIDE...!

TUBULAR BATTERIES



KAMTECH INDUSTRIES

kamtech Industries has been into manufacturing of battery parts, especially battery plates. With the success in the manufacturing of battery plates, the process of expansion began. It led to kamtech Industries manufacturing its own batteries. The batteries designed by kamtech Industries are technology driven and till date, they have been keeping up with the technological advancements.

We Strive Our Best Everyday!



Our Strength

Thanks to our big stock of battery cells, containers and parts we can assemble ready to use traction batteries in a very short time. Whether you only want the elements or you want the complete battery with a new container, automatic filling system, acid circulation system and the battery connector, our assembly team makes it possible within the shortest time. All we need is the machine type, voltage & capacity and/or dimensions, as simple as that the rest is handled by us. The battery will be carefully packed to be delivered at your door



Mission

our mission is to deliver world class products across different countries, to provide our clients a competitive advantage. we ensure that the quality of our products manufactured are up-to-date with the latest technology and our systems are continuously enhanced. Our ultimate reward is to put a smile on the consumer's face as they enjoy our top performing products



Vision

we strive to create a synergy between technology, systems, quality of our product and people, so that we deliver our people with the best quality product.



SOLAR TUBULAR BATTERIES

The Solar Tubular Batteries Manufactured By Kamtech Are Way Ahead In Design And Technology Than Other Available Option In The Market. They Integrate A Solar Cell With Battery Power Storage. These Rechargeable Batteries Have Been Developed Specifically For Use In Photo Voltaic Systems. It's A Next Generation Of Tubular Batteries Designed Specially To Withstand Long Frequent Power Cuts And Requiring Very Low Maintenance With High Performance.

Technology

1. Tubular Tech
2. Deep Cycle
3. Fast Charging



INVERTER BATTERIES

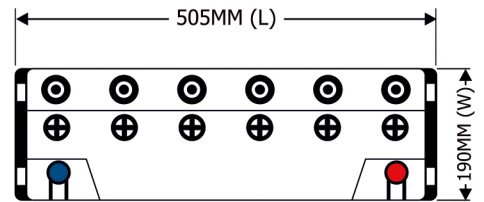
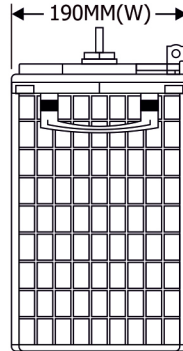
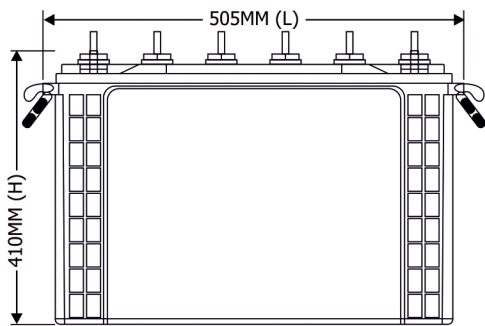
kamtech batteries are high quality, maintenance-free batteries produced at a state of the art manufacturing facility with advanced battery manufacturing technologies and high-purity materials. It has a long float and cyclic life span, high specific energy, and low self-discharge rate. Completely leak proof, it has excellent anti-corrosion properties and performs flawlessly in varying temperature conditions.

Technology

1. Solar Hybrid
2. High Speed
3. Automotive Batteries

Battery Model & Dimensions

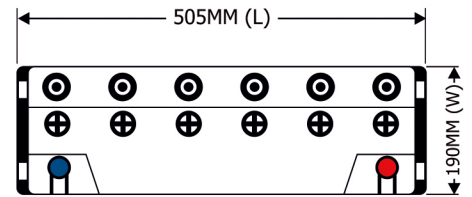
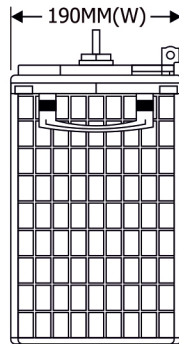
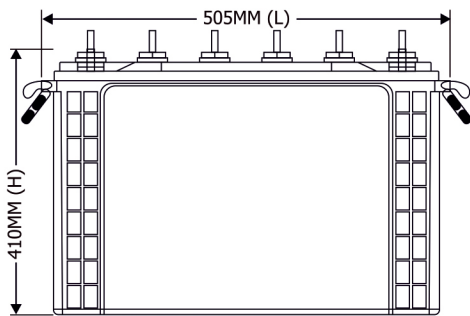
| PARTICULARS & MODELS | KT 100 | KT 1500 | KT1500 HD | KT 2000 | KT 2000 HD | KT 2250 | KT 2500 | KT 2800 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Battery Type | KT 100 | KT 1500 | KT1500 HD | KT 2000 | KT 2000 HD | KT 2250 | KT 2500 | KT 2800 |
| Rated Capacity At 20 Hour Rate | 100Ah | 150Ah | 150Ah | 200Ah | 220Ah | 225Ah | 270Ah | 280Ah |
| Battery Nominal Voltage | 12V | 12V | 12V | 12V | 12V | 12V | 12V | 12V |
| Electrolyte Specific Gravity at 27°C | 1.250±0.010 | 1.250±0.010 | 1.250±0.010 | 1.250±0.010 | 1.250±0.010 | 1.250±0.010 | 1.250±0.010 | 1.250±0.010 |
| Gross Weight (±3%) | 48kg. | 56kg. | 58kg | 61kg | 65kg | 68kg | 68kg | 75kg |
| DIMENSIONS | | | | | | | | |
| Length | 503±3 mm | 503±3 mm | 503±3 mm | 503±3 mm | 503±3 mm | 503±3 mm | 503±3 mm | 503±3 mm |
| Width | 189±2 mm | 189±2 mm | 189±2 mm | 189±2 mm | 189±2 mm | 189±2 mm | 189±2 mm | 189±2 mm |
| Height up to Terminal | 354±3 mm | 354±3 mm | 354±3 mm | 354±3 mm | 354±3 mm | 354±3 mm | 354±3 mm | 354±3 mm |
| ELECTRICAL PERFORMANCE | | | | | | | | |
| Capacity at 27°C | | | | | | | | |
| 20 Hour Rate to 10.80V | 70.0Ah | 100.0Ah | 150.0Ah | 200.0Ah | 220.0Ah | 240.0Ah | 270.0Ah | 270.0Ah |
| 10 Hour Rate to 10.80V | 61.5Ah | 88.0Ah | 132.0Ah | 167.5Ah | 185.0Ah | 211.0Ah | 210.0Ah | 210.0Ah |
| 5 Hour Rate to 10.80V | 51.0Ah | 73.5Ah | 110.0Ah | 139.5Ah | 154.0Ah | 177.5Ah | 163.0Ah | 163.0Ah |
| 3 Hour Rate to 10.80V | 44.5Ah | 63.5Ah | 95.0Ah | 120.0Ah | 132.5Ah | 153.5Ah | 150.5Ah | 150.5Ah |
| 1 Hour Rate to 10.80V | 30.0Ah | 44.0Ah | 66.0Ah | 84.0Ah | 92.5Ah | 105.5Ah | 97.5Ah | 97.5Ah |
| % Loss of capacity on storage per month at 27°C | < 5.0% | < 5.0% | < 5.0% | < 5.0% | < 5.0% | < 5.0% | < 5.0% | < 5.0% |
| % of Ampere-Hour-Efficiency | > 92.0% | > 92.0% | > 92.0% | > 92.0% | > 92.0% | > 92.0% | > 92.0% | > 92.0% |
| % of Watt-Hour-Efficiency | >78.0% | >78.0% | >78.0% | >78.0% | >78.0% | >78.0% | >78.0% | >78.0% |
| BATTERY CHARGING | | | | | | | | |
| Constant Voltage Charging (CV) | | | | | | | | |
| Maximum Charging Current | 20.0A | 20.0A | 20.0A | 20.0A | 20.0A | 20.0A | 20.0A | 20.0A |
| Cyclic Use | 14.40±0.05V | 14.40±0.05V | 14.40±0.05V | 14.40±0.05V | 14.40±0.05V | 14.40±0.05V | 14.40±0.05V | 14.40±0.05V |
| FLoat Use | 13.80±0.05V | 13.80±0.05V | 13.80±0.05V | 13.80±0.05V | 13.80±0.05V | 13.80±0.05V | 13.80±0.05V | 13.80±0.05V |
| Cofant Current Charge (CC) | | | | | | | | |
| Maximum Charging Current | 10.0A | 10.0A | 15.0A | 19.0A | 21.0A | 21.0A | 23.0A | 23.0A |



| | | | |
|--------------------------------|---|--------------------------|-------------|
| Battery Type | | KT 100 | |
| Rated Capacity At 20 Hour Rate | | 100Ah | |
| Battery Nominal Voltage | | 12V | |
| Gross Weight (±3%) | | 48kg | |
| ELECTRICAL PERFORMANCE | Capacity at 27°C | 20 Hour Rate to 10.80V | 100.0Ah |
| | | 10 Hour Rate to 10.80V | 61.5Ah |
| | | 5 Hour Rate to 10.80V | 51.0Ah |
| 3 Hour Rate to 10.80V | | 44.5Ah | |
| 1 Hour Rate to 10.80V | | 30.0Ah | |
| | Loss of capacity on storage per month at 27°C | < 5.0% | |
| | Percentage (%) of Ampere-Hour-Efficiency | > 92.0% | |
| | Percentage (%) of Watt-Hour-Efficiency | > 78.0% | |
| BATTERY CHARGING | Constant Voltage Charging (CV) | Maximum Charging Current | 20.0A |
| | | Cyclic Use | 14.40±0.05V |
| | | FLoad Use | 13.80±0.05V |
| | Cotant Current Charge (CC) | Maximum Charging Current | 10.0A |

SOLAR TALL TUBULAR BATTERY

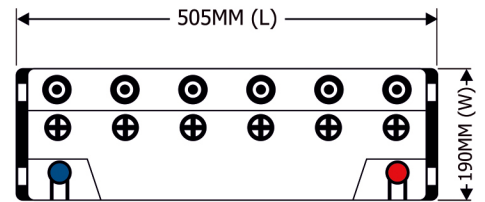
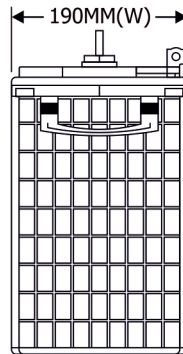
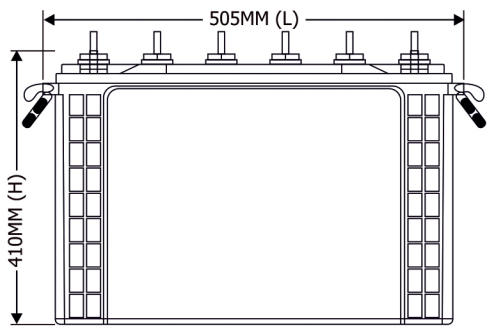




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|---|--|---|--|
| Battery Type Rated Capacity At 20 Hour Rate Battery Nominal Voltage Gross Weight (±3%) | | KT 1500 150Ah 12V 56kg | |
| ELECTRICAL PERFORMANCE | Capacity at 27°C | 20 Hour Rate to 10.80V 10 Hour Rate to 10.80V 5 Hour Rate to 10.80V 3 Hour Rate to 10.80V 1 Hour Rate to 10.80V | 150.0Ah 88.0Ah 73.5Ah 63.5Ah 44.0Ah |
| | Loss of capacity on storage per month at 27°C Percentage (%) of Ampere-Hour-Efficiency Percentage (%) of Watt-Hour-Efficiency | < 5.0% > 92.0% > 78.0% | |
| | BATTERY CHARGING Constant Voltage Charging (CV) | Maximum Charging Current Cyclic Use FLoad Use | 20.0A 14.40±0.05V 13.80±0.05V |
| | Cotant Current Charge (CC) | Maximum Charging Current | 10.0A |

SOLAR TALL TUBULAR BATTERY

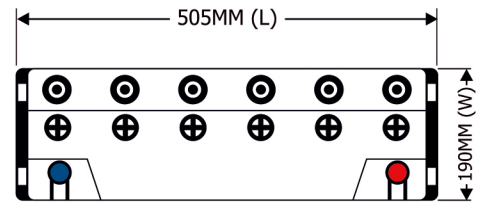
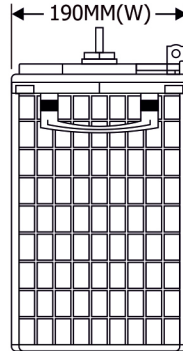
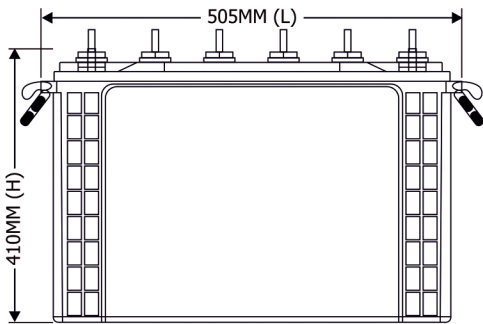




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|--------------------------------|---|--|-------------|
| Battery Type | | KT 1500HD | |
| Rated Capacity At 20 Hour Rate | | 150Ah | |
| Battery Nominal Voltage | | 12V | |
| Gross Weight (±3%) | | 58kg | |
| ELECTRICAL PERFORMANCE | Capacity at 27°C | 20 Hour Rate to 10.80V | 150.0Ah |
| | | 10 Hour Rate to 10.80V | 132.0Ah |
| | | 5 Hour Rate to 10.80V | 110.0Ah |
| 3 Hour Rate to 10.80V | | 95.0Ah | |
| 1 Hour Rate to 10.80V | | 66.0Ah | |
| BATTERY CHARGING | Loss of capacity on storage per month at 27°C | | < 5.0% |
| | | Percentage (%) of Ampere-Hour-Efficiency | > 92.0% |
| | Percentage (%) of Watt-Hour-Efficiency | > 78.0% | |
| | Constant Voltage Charging (CV) | Maximum Charging Current | 30.0A |
| | | Cyclic Use | 14.40±0.05V |
| | FLoad Use | 13.80±0.05V | |
| | Cofant Current Charge (CC) | Maximum Charging Current | 15.0A |

SOLAR TALL TUBULAR BATTERY

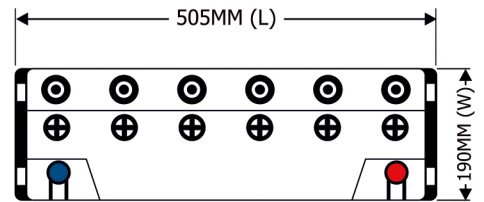
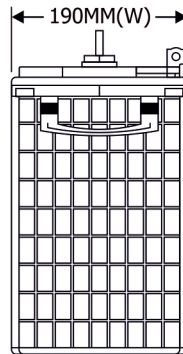
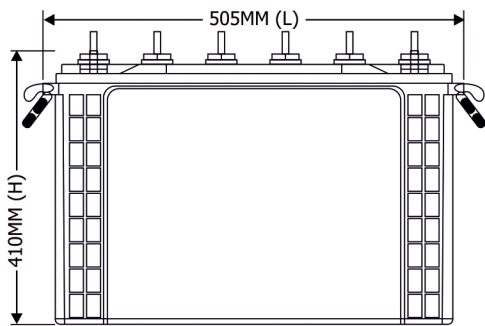




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|---|---|---|--|
| Battery Type Rated Capacity At 20 Hour Rate Battery Nominal Voltage Gross Weight (±3%) | | KT 2000 200Ah 12V 61kg | |
| ELECTRICAL PERFORMANCE | Capacity at 27°C | 20 Hour Rate to 10.80V 10 Hour Rate to 10.80V 5 Hour Rate to 10.80V 3 Hour Rate to 10.80V 1 Hour Rate to 10.80V | 200.0Ah 167.5Ah 139.5Ah 120.0Ah 84.0Ah |
| | Loss of capacity on storage per month at 27°C Percentage (%) of Ampere-Hour-Efficiency Percentage (%) of Watt-Hour-Efficiency | | < 5.0% > 92.0% > 78.0% |
| | BATTERY CHARGING | Constant Voltage Charging (CV) Cyclic Use FLoad Use | Maximum Charging Current 38.0A 14.40±0.05V 13.80±0.05V |
| | Cotant Current Charge (CC) | Maximum Charging Current | 19.0A |

SOLAR TALL TUBULAR BATTERY

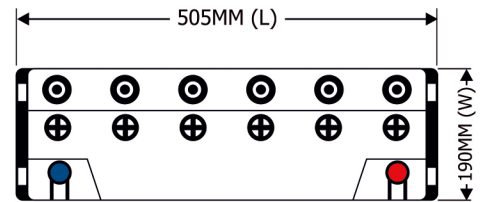
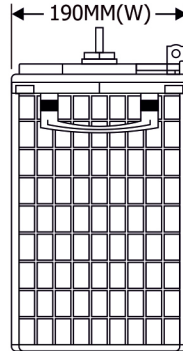
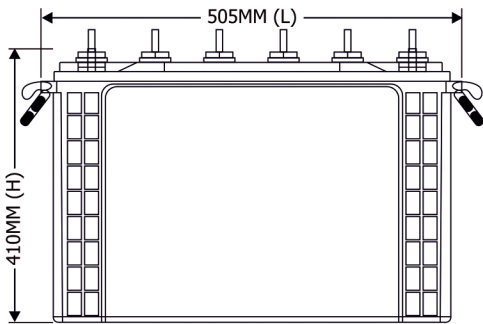




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|--------------------------------|---|--|-------------|
| Battery Type | | KT 2000HD | |
| Rated Capacity At 20 Hour Rate | | 200Ah | |
| Battery Nominal Voltage | | 12V | |
| Gross Weight (±3%) | | 64kg | |
| ELECTRICAL PERFORMANCE | Capacity at 27°C | 20 Hour Rate to 10.80V | 200.0Ah |
| | | 10 Hour Rate to 10.80V | 185.0Ah |
| | | 5 Hour Rate to 10.80V | 154.0Ah |
| 3 Hour Rate to 10.80V | | 132.5Ah | |
| 1 Hour Rate to 10.80V | | 92.5Ah | |
| BATTERY CHARGING | Loss of capacity on storage per month at 27°C | | < 5.0% |
| | | Percentage (%) of Ampere-Hour-Efficiency | > 92.0% |
| | Percentage (%) of Watt-Hour-Efficiency | > 78.0% | |
| | Constant Voltage Charging (CV) | Maximum Charging Current | 42.0A |
| | | Cyclic Use | 14.40±0.05V |
| | FLoad Use | 13.80±0.05V | |
| | Cotant Current Charge (CC) | Maximum Charging Current | 21.0A |

SOLAR TALL TUBULAR BATTERY

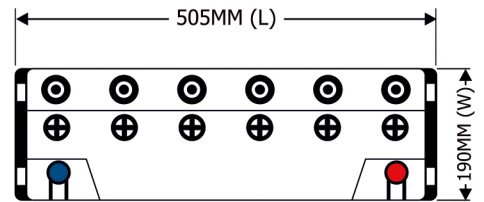
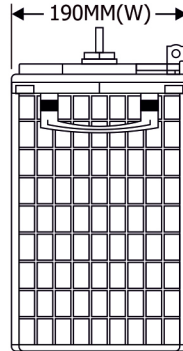
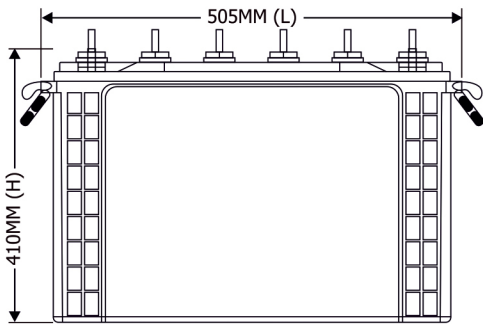




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|---|---|---|---|
| Battery Type Rated Capacity At 20 Hour Rate Battery Nominal Voltage Gross Weight (±3%) | | KT 2250 225Ah 12V 68kg | |
| ELECTRICAL PERFORMANCE | Capacity at 27°C | 20 Hour Rate to 10.80V 10 Hour Rate to 10.80V 5 Hour Rate to 10.80V 3 Hour Rate to 10.80V 1 Hour Rate to 10.80V | 225.0Ah 211.0Ah 177.5Ah 153.5Ah 105.5Ah |
| | Loss of capacity on storage per month at 27°C Percentage (%) of Ampere-Hour-Efficiency Percentage (%) of Watt-Hour-Efficiency | < 5.0% > 92.0% > 78.0% | |
| | BATTERY CHARGING Constant Voltage Charging (CV) | Maximum Charging Current Cyclic Use FLoad Use | 42.0A 14.40±0.05V 13.80±0.05V |
| | Constant Current Charge (CC) | Maximum Charging Current | 21.0A |

SOLAR TALL TUBULAR BATTERY

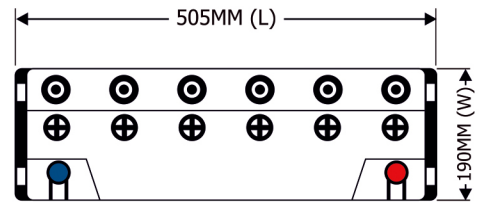
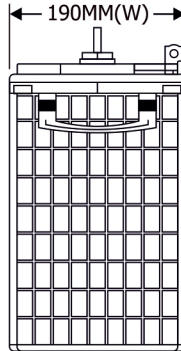
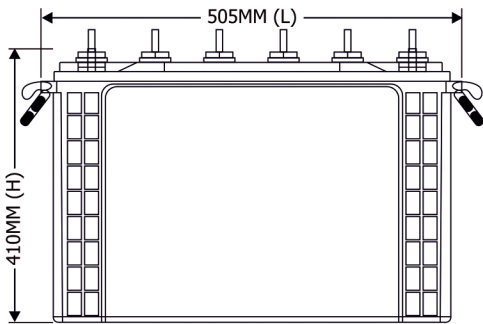




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|--------------------------------|---|--|-------------|
| Battery Type | | KT 2500 | |
| Rated Capacity At 20 Hour Rate | | 250Ah | |
| Battery Nominal Voltage | | 12V | |
| Gross Weight (±3%) | | 71kg | |
| ELECTRICAL PERFORMANCE | Capacity at 27°C | 20 Hour Rate to 10.80V | 250.0Ah |
| | | 10 Hour Rate to 10.80V | 210.0Ah |
| | | 5 Hour Rate to 10.80V | 163.0Ah |
| 3 Hour Rate to 10.80V | | 150.5Ah | |
| 1 Hour Rate to 10.80V | | 97.5Ah | |
| BATTERY CHARGING | Loss of capacity on storage per month at 27°C | < 5.0% | |
| | | Percentage (%) of Ampere-Hour-Efficiency | > 92.0% |
| | Percentage (%) of Watt-Hour-Efficiency | > 78.0% | |
| | Constant Voltage Charging (CV) | Maximum Charging Current | 42.0A |
| | | Cyclic Use | 14.40±0.05V |
| Constant Current Charge (CC) | FLoad Use | 13.80±0.05V | |
| | Maximum Charging Current | 23.0A | |

SOLAR TALL TUBULAR BATTERY



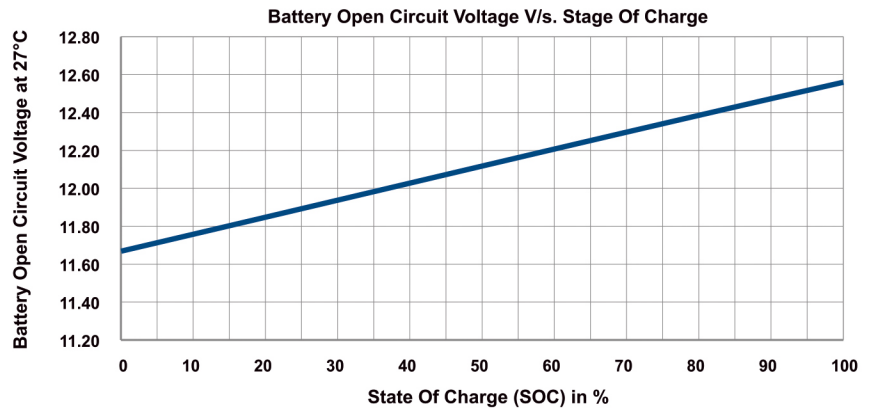


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|--------------------------------|---|--|-------------|
| Battery Type | | KT 2800 | |
| Rated Capacity At 20 Hour Rate | | 280Ah | |
| Battery Nominal Voltage | | 12V | |
| Gross Weight (±3%) | | 75kg | |
| ELECTRICAL PERFORMANCE | Capacity at 27°C | 20 Hour Rate to 10.80V | 280.0Ah |
| | | 10 Hour Rate to 10.80V | 210.0Ah |
| | | 5 Hour Rate to 10.80V | 163.0Ah |
| 3 Hour Rate to 10.80V | | 150.5Ah | |
| 1 Hour Rate to 10.80V | | 97.5Ah | |
| BATTERY CHARGING | Loss of capacity on storage per month at 27°C | | < 5.0% |
| | | Percentage (%) of Ampere-Hour-Efficiency | > 92.0% |
| | | Percentage (%) of Watt-Hour-Efficiency | > 78.0% |
| | Constant Voltage Charging (CV) | Maximum Charging Current | 42.0A |
| | | Cyclic Use | 14.40±0.05V |
| | FLoad Use | 13.80±0.05V | |
| | Cotant Current Charge (CC) | Maximum Charging Current | 23.0A |

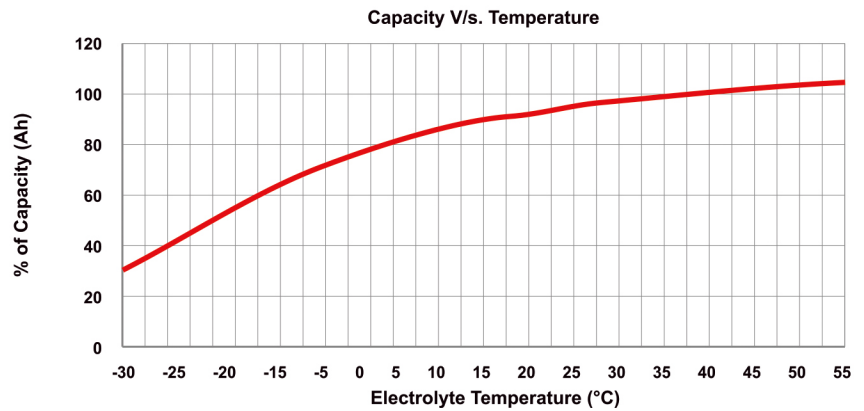
SOLAR TALL TUBULAR BATTERY



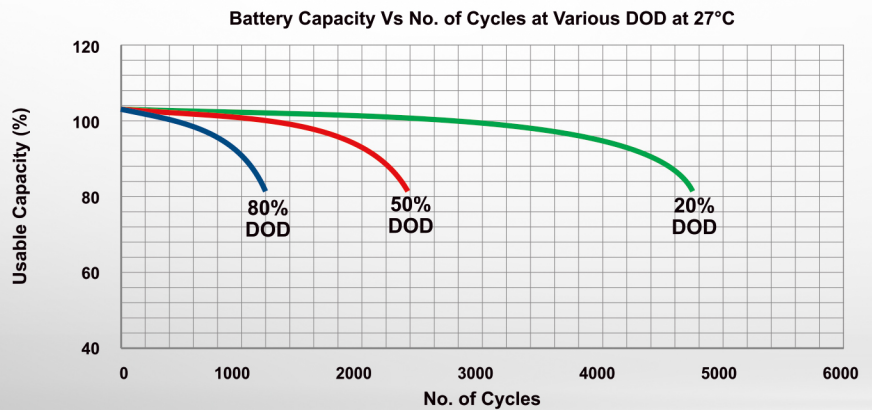
Battery State of Charge (SOC)



Battery Capacity v/s Temperature



Battery Life Cycles Characteristics at 27°C





KAMTECH

UNLIMITED POWER INSIDE...!

KAM TECH SOLAR POWER PRODUCTS PVT. LTD. is a leading Supplier, Manufacturer and Exporter of Lead Acid Batteries Industrial Experience with multiple battery types such as Tubular Batteries, Solar Batteries, Automotive Batteries and E-Rickshaw Batteries Etc. All these products are wideful used in various applications such as Automotive Segment, Solar & UPS Back-Up Segment and Electric Vehicles Segment. His able guidance the path to success for the company.

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