

## **Sol-Ark Commercial Energy Solutions**

A global energy technology leader with over 6 generations of hybrid inverters

Deep engineering expertise in smart energy solutions

A track record of results. For over a decade, Sol-Ark has been solving complex energy challenges with innovation and technology

Powered by a vast ecosystem including thousands of distributors, installers, EPCs, integrators, and battery manufacturers

Trusted by global Fortune 500 companies in telecommunications, retail, big tech, restaurants, and the largest space agency in the world

## 480V Outdoor and Indoor

Battery Energy Storage System

System Data     Sol-Ark 60K-3P-480V-N       Environmental Rating     Outdoor     Indoor       Cell Chemistry     Lithium Iron Phasphate       Battery Cabinet Capacity     61.4 kWh       System Usable Energy!     55.30 kWh       Built- ID C Disconnect Rating     200A       Internal Fuse Rating     160A       Real Power (backup) Per Inverter     60 kWac       Max DC-Coupled Solar Per Inverter     78 kWac       Max AC-Coupled Solar Per Inverter     6       Max Battery Cabinets Per Inverter     6       Max Battery Moninal Voltage     588V-672V       Charge/Discharge Current <sup>2</sup> 50A       • Nominal/Continuous     100A       • Nominal/Continuous     100A       • Peak Discharge (2 min @ 25°C)     125SA       System Roundrity Efficiency     90% (2C, C, 0.5C) </th <th>Battery Model: SKU:</th> <th>L3 HVR-60 L3-HVR-60KWH</th> <th>L3 HV-60 L3-HV-60KWH</th>	Battery Model: SKU:	L3 HVR-60 L3-HVR-60KWH	L3 HV-60 L3-HV-60KWH
Compatible Inverter     Sol-Ark 60K-37-480V-N       Environmental Rating     Outdoor     Indoor       Cell Chemistry     Lithium Iron Phosphate       Battery Cabinet Capacity     61.44 kWh       System Usable Energy1     55.30 kWh       Built-In DC Disconnect Rating     200A       Internal Fuse Rating     160A       Real Power (backup) Per Inverter     60 kWac       Max DC-Coupled Solar Per Inverter     6       Max Battery Cabinets Per Inverter     6       Max Battery Cabinets Per Inverter     6       Maximum Inverters Per System     6 <sup>2</sup> Recommend Depth of Discharge     90%       System Nominal Voltage     50A       • Recommend     50A       • State Oritinuous		LS-ITWR-BORWIT	23-114-001(411
Environmental Rating     Outdoor     Indoor       Cell Chemistry     Lithium Iron Phosphate       Battery Cabinet Capacity     61.44 kWh       System Usable Energy*     55.30 kWh       Built-In DC Disconnect Rating     200A       Internal Fuse Rating     160A       Real Power (backup) Per Inverter     60 kWac.       Max DC-Coupled Solar Per Inverter     6       Max AC-Coupled Solar Per Inverter     6       Max AC-Coupled Solar Per Inverter     6       Max Actery Cabinets Per Inverter     6       Max Attery Cabinets Per Inverter     6       Max Battery Cabinets Per Inverter     6       Max Battery Cabinets Per Inverter     6       Maximum Inverters Per System     6²       Recommend Depth of Discharge     90%       System Nominal Voltage     500A       • Recommend     500A       • Nominal/Continuous     100A       • Peak Discharge (2 min @ 25°C)     125A       System Roundtrip Efficiency     90% (25C, 0.5C)       Product Dimensions (WxDxH)     76x107x226 cm (30x42x89 in)     58x58x218 cm (23x23x86 in)       Net Weight     95			
Cell Chemistry   Lithium Iron Phosphate     Battery Cabinet Capacity   61.44 kWh     System Usable Energy1   55.30 kWh     Built-In DC Disconnect Rating   200A     Internal Fuse Rating   160A     Real Power (backup) Per Inverter   60 kWac     Max DC-Coupled Solar Per Inverter   6     Max Battery Cabinets Per Inverter   6     Maximum Inverters Per System   6'2     System Nominal Voltage   584x5414 V     System Rominal Voltage   50A     • Recommend   50A     • Recommend   50A     • Recommend   50A     • Recommend   50A			
Battery Cabinet Capacity   61.44 kWh     System Usable Energy1   55.30 kWh     Built-In DC Disconnect Rating   200A     Internal Fuse Rating   160A     Real Power (backup) Per Inverter   60 kWac     Max DC-Coupled Solar Per Inverter   6     Max Battery Cabinets Per Inverter   6     Max Battery Cabinets Per Inverter   6     Max Battery Cabinets Per Inverter   6     Recommend Depth of Discharge   90%     System Nominal Voltage   614.4V     System Nominal Voltage   588V-672V     Charge/Discharge Current <sup>3</sup> 100A     • Recommend   50A     • Nominal/Continuous   100A     • Peak Discharge Current <sup>3</sup> 100A     • Nominal/Continuous   100A     • Peak Discharge (2 min @ 25°C)   125A     System Roundtrip Efficiency   90% (25C, 0.5C)     Product Dimensions (WADxH)   76x107x226 cm (30x42x89 in)   58x58x218 cm (23x23x86 in)     Net Weight   950 kg (2.095 lbs)   773 kg (1.705 lbs)     Mounting Type   Outdoor Enclosure   Freestanding Rack Mount     Operating Mitude <sup>5</sup> 3000 m (9.843 ft)   -4°F - 110°F			
System Usable Energy1     55.30 kWh       Built-In OC Disconnect Rating     200A       Internal Fuse Rating     160A       Real Power (backup) Per Inverter     60 kWac       Max DC-Coupled Solar Per Inverter     6       Max DC-Coupled Solar Per Inverter     6       Max Battery Cabinets Per Inverter     6       Max Battery Cabinets Per Inverter     6       Maximum Inverters Per System     6 <sup>2</sup> System Nominal Voltage     614.4V       System Nominal Voltage     588V-672V       Charge/Discharge Current <sup>3</sup> 6       • Recommend     50A       • Nominal/Continuous     100A       • Peak Discharge (2 min @ 25°C)     125A       System Roundtrip Efficiency     90% (25C, 0.5C)       Product Dimensions (WxDxH)     76x107x226 cm (30x42x89 in)       Net Weight     950 kg (2.095 lbs)     773 kg (1,705lbs)       Mounting Type     Outdoor Enclosure     Freestanding Rack Mount       Operating Temperature <sup>4</sup> -10°C – 50°C (14°F – 122°F)     4°C – 43°C (40°F – 110°F)       Humidity     950 kg (2.095 lbs)     773 kg (1,705lbs)       Operating Altitude <sup>5</sup>			
Built-In DC Disconnect Rating   200A     Internal Fuse Rating   160A     Real Power (backup) Per Inverter   60 kWac     Max DC-Coupled Solar Per Inverter   78 kWac     Max AC-Coupled Solar Per Inverter   125 kWac     Max Battery Cabinets Per Inverter   6     Max Battery Cabinets Per Inverter   6     Max Battery Cabinets Per System   6²     Recommend Depth of Discharge   90%     System Nominal Voltage   588V-672V     Charge/Discharge Current <sup>3</sup> 50A     • Recommend   50A     • Nominal/Continuous   100A     • Peak Discharge (2 min @ 25°C)   925K2, 0.5C)     Product Dimensions (WXDXH)   76x107x226 cm (30x42x89 in)   58x58x218 cm (23x23x86 in)     Net Weight   950 kg (2.095 lbs)   773 kg (1,705 lbs)     Mounting Type   Outdoor Enclosure   Freestanding Rack Mount     Operating Temperature*   -10°C - 50°C (14°F - 122°F)   4°C - 43°C (40°F - 110°F)     Humidity   50% SR RH (non-condensing)   State of Charge (50C) 30%     Ingress Rating   IP55 (NEMA 3R)   IP20 (NEMA 1)     Noise Level @ 1m   75 dBA at 30°C (86°F)   <40 cds At 30°C (86°F)			
Internal Fuse Rating   160A     Real Power (backup) Per Inverter   60 kWac     Max AC-Coupled Solar Per Inverter   78 kWac     Max AC-Coupled Solar Per Inverter   125 kWac     Max Attery Cabinets Per Inverter   6     Max Interv Cabinets Per Inverter   6     Max Buttery Cabinets Per Inverter   6     System Nominal Voltage   614.4V     System Operating Voltage   588V-672V     Charge/Discharge Current <sup>3</sup> 50A     • Recommend   50A     • Recommend   50A     • Recommend   50A     • Read bickarge (2 min @ 25°C)   125A     System Roundtrip Efficiency   90% (25C, 0.5C)     Product Dimensions (WXDXH)   76x107x226 cm (30x42x89 in)     Net Weight   950 bls)   773 kg (17.05lbs)     Mounting Type   Outdoor Enclosure   Freestanding Rack M			
Real Power (backup) Per Inverter   60 kWac     Max DC-Coupled Solar Per Inverter   78 kWac     Max AC-Coupled Solar Per Inverter   125 kWac     Max Battery Cabinets Per Inverter   6     Recommend Depth of Discharge   90%     System Mominal Voltage   5184-672V     Charge/Discharge Current <sup>3</sup> 100A     • Recommend   50A     • Nominal/Continuous   100A     • Peak Discharge (2 min @ 25*C)   125A     System Roundtrip Efficiency   90% (20, 0.5C)     Product Dimensions (WxDxH)   76x107x226 cm (30x42x89 in)     Net Weight   950 kg (2.095 lbs)   773 kg (1,705lbs)     Mounting Type   Outdoor Enclosure   Freestanding Rack Mount     Operating Temperature <sup>4</sup> -10°C - 50°C (14*F - 122*F)			
Max DC-Coupled Solar Per Inverter   78 kWac     Max AC-Coupled Solar Per Inverter   125 kWac     Max Battery Cabinets Per Inverter   6     Maximum Inverters Per System   6²     Recommend Depth of Discharge   90%     System Nominal Voltage   614.4V     System Operating Voltage   588V-672V     Charge/Discharge Current <sup>3</sup> 00A     • Recommend   50A     • Nominal/Continuous   100A     • Peak Discharge (2 min @ 25°C)   125A     System Roundtrip Efficiency   90% (25C, 0.5C)     Product Dimensions (WxDxH)   76x107x226 cm (30x42x89 in)   58x58x218 cm (23x23x86 in)     Net Weight   95 kg (2.095 lbs)   773 kg (1.705 lbs)     Mounting Type   Outdoor Enclosure   Freestanding Rack Mount     Operating Iemperature <sup>4</sup> -10°C - 50°C (14°F - 122°F)   4°C - 43°C (40°F - 110°F)     Humidity   5%-85% RH   Operating Rack Mount   5%-85% RH     Operating Altitude <sup>5</sup> 3000m (9.843 ft)   -4°F - 95°F     Storage Conditions <sup>6</sup> Up to 85% RH (non-condensing)   State of Charge (SOC) 30%     Ingress Rating   IP55 (NEMA 3R)   IP20 (NEMA 1)   Sola at 30°C (86°F) <th></th> <th colspan="2"></th>			
Max AC-Coupled Solar Per Inverter     125 kWac       Max Battery Cabinets Per Inverter     6     16       Maximun Inverters Per System     6°     10       Recommend Depth of Discharge     90%     90%       System Nominal Voltage     614.4V     554       System Operating Voltage     588V-672V       Charge/Discharge Current <sup>3</sup> 614.4V       • Recommend     50A       • Nominal/Continuous     100A       • Peak Discharge (2 min @ 25°C)     125A       System Roundtrip Efficiency     90% (25C, 0.5C)       Product Dimensions (WADxH)     76x107x226 cm (30x42x89 in)     58x58x218 cm (23x23x86 in)       Net Weight     950 kg (2,095 lbs)     773 kg (1,705 lbs)       Mounting Type     Outdoor Enclosure     Freestanding Rack Mount       Operating Temperature <sup>4</sup> -10°C - 50°C (14°F - 122°F)     4°C - 43°C (40°F - 110°F)       Humidity     5%-85% RH     0perating Altitude <sup>5</sup> 3000m (9,843 ft)       Operating Altitude <sup>5</sup> 3000m (9,843 ft)     4°F - 95°F       Storage Conditions <sup>6</sup> Up to 85% RH     2020 (NEMA 1)       Noise Level @ 1m     75 dBA at 30°C (86°F) <th></th> <th colspan="2"></th>			
Max Battery Cabinets Per Inverter   6   16     Maximum Inverters Per System   6²   10     Recommend Depth of Discharge   90%     System Nominal Voltage   614.4V     System Operating Voltage   588V-672V     Charge/Discharge Current³   -     • Recommend   50A     • Nominal/Continuous   100A     • Peak Discharge (2 min @25°C)   125A     System Roundtrip Efficiency   90% (25C, 0.5C)     Product Dimensions (WxDxH)   76x107x226 cm (30x42x89 in)     Net Weight   950 kg (2,095 lbs)   773 kg (1.705lbs)     Mounting Type   Outdoor Enclosure   Freestanding Rack Mount     Operating Temperature <sup>4</sup> -10°C - 50°C (14°F - 12°F)   4°C - 43°C (40°F - 110°F)     Humidity   5% –85% RH   3000m (9,843 ft)     Operating Altitude <sup>5</sup> 3000m (9,843 ft)   -4°F - 95°F     Storage Conditions <sup>6</sup> Up to 85% (RH (non-condensing))   State of Charge (SOC) 30%     Ingress Rating   IP50 (NEMA 3R)   IP20 (NEMA 1)     Noise Level @ 1m   75 dBA at 30°C (86°F)   <40 dBA at 30°C (86°F)     Seismic Zone   4   Communication Ports   CAN2.0/R5485			
Maximum Inverters Per System6²10Recommend Depth of Discharge90%System Nominal Voltage614.4VSystem Operating Voltage588V-672VCharge/Discharge Current³00A• Recommend50A• Recommend100A• Peak Discharge (2 min @ 25°C)125ASystem Roundtrip Efficiency90% (25C, 0.5C)Product Dimensions (WxDxH)76x107x226 cm (30x42x89 in)System Roundtrip Efficiency950 kg (2,095 lbs)Product Dimensions (WxDxH)76x107x226 cm (30x42x89 in)Storage Conditions f950 kg (2,095 lbs)Mounting TypeOutdoor EnclosureOperating Temperature4-10°C - 50°C (14°F - 122°F)4°C - 43°C (40°F - 110°F)Humidity3000m (9,843 ft)Operating Altitude 53000m (9,843 ft)-4°F - 95°FUp to 85% RH (non-condensing)Storage Conditions 61P20 (NEMA 1)Noise Level @ 1m75 dBA at 30°C (86°F)< 40 dBA at 30°C (86°F)44CaN2.0/R5485Battery Module SpecificationsCAN2.0/R5485Battery Module Configuration12s1pBattery Module Energy51.2VBattery Module Configuration12s1pBattery Module Configuration10 Years			
Recommend Depth of Discharge   90%     System Nominal Voltage   614.4V     System Operating Voltage   588V-672V     Charge/Discharge Current <sup>3</sup> 50A     • Recommend   50A     • Peak Discharge (2 min @ 25°C)   125A     System Roundtrip Efficiency   90% (25C, 0.5C)     Product Dimensions (WxDxH)   76x107x226 cm (30x42x89 in)     System Roundtrip Efficiency   950 kg (2,095 lbs)     Product Dimensions (WxDxH)   76x107x226 cm (30x42x89 in)     System Toundtrip Efficiency   950 kg (2,095 lbs)     Product Dimensions (WxDxH)   76x107x226 cm (30x42x89 in)     Operating Temperature <sup>4</sup> -10°C - 50°C (14°F - 122°F)     Humidity   5%-85% RH     Operating Altitude <sup>5</sup> 3000m (9,843 ft)     Gerating Temperature <sup>4</sup> -10°C - 50°C (14°F - 122°F)     Humidity   00 Kat at 30°C (86°F)     Storage Conditions <sup>6</sup> Up to 85% RH (non-condensing)     State of Charge (SOC) 30%   In JP20 (NEMA 1)     Noise Level @ 1m   75 dBA at 3			
System Nominal Voltage   614.4V     System Operating Voltage   588V-672V     Charge/Discharge Current³   -     • Recommend   50A     • Nominal/Continuous   100A     • Peak Discharge (2 min @ 25°C)   125A     System Roundtrijn Efficiency   90% (25C, 0.5C)     Product Dimensions (WxDxH)   76x107x226 cm (30x42x89 in)   58x58x218 cm (23x23x86 in)     Net Weight   950 kg (2,095 lbs)   773 kg (1,705 lbs)     Mounting Type   Outdodor Enclosure   Freestanding Rack Mount     Operating Temperature <sup>4</sup> -10°C - 50°C (14°F - 122°F)   4°C - 43°C (40°F - 110°F)     Humidity   5%-85% RH   000m0 (9,843 ft)   -4°F - 95°F     Storage Conditions <sup>6</sup> Up to 85% RH (non-condensing)   State of Charge (SOC) 30%     Ingress Rating   IP55 (NEMA 3R)   IP20 (NEMA 1)     Noise Level @ 1m   75 dBA at 30°C (86°F)   < 40 dBA at 30°C (86°F)     Seismic Zone   4   4   Communication Ports     Battery Module Specifications   12s1p   12s1p     Battery Module Configuration   12s1p   12s1p     Battery Module Rominal Voltage   51.2V   51.2V			
System Operating Voltage   588V-672V     Charge/Discharge Current³   50A     • Recommend   50A     • Nominal/Continuous   100A     • Peak Discharge (2 min @ 25°C)   125A     System Roundtrip Efficiency   90% (25C, 0.5C)     Product Dimensions (WxDxH)   76x107x226 cm (30x42x89 in)   58x58x218 cm (23x23x86 in)     Net Weight   950 kg (2,095 lbs)   773 kg (1,705 lbs)     Mounting Type   Outdoor Enclosure   Freestanding Rack Mount     Operating Temperature <sup>4</sup> -10°C - 50°C (14°F - 122°F)   4°C - 43°C (40°F - 110°F)     Humidity   5%-85% RH   Operating Altitude <sup>5</sup> 3000m (9,843 ft)     Operating Altitude <sup>5</sup> 3000m (9,843 ft)   -4°C - 95°F     Storage Conditions <sup>6</sup> Up to 85% RH (non-condensing)   State of Charge (SOC) 30%     Ingress Rating   IP55 (NEMA 3R)   IP20 (NEMA 1)   Noise Level @ 1m   75 dBA at 30°C (86°F)   < 40 dBA at 30°C (86°F)     Seismic Zone   4   Communication Ports   CAN2.0/R\$485   Eattery Module Specifications     Battery Module Specifications   12s1p   12s1p   12s1p     Battery Module Nominal Voltage   51.2V   S1.2V   Battery Mod			
Charge/Discharge Current <sup>3</sup> • Recommend   50A     • Nominal/Continuous   100A     • Peak Discharge (2 min @ 25°C)   125A     System Roundtrip Efficiency   90% (25C, 0.5C)     Product Dimensions (WxDxH)   76x107x226 cm (30x42x89 in)   58x58x218 cm (23x23x86 in)     Net Weight   950 kg (2,095 lbs)   773 kg (1,705lbs)     Mounting Type   Outdoor Enclosure   Freestanding Rack Mount     Operating Temperature <sup>4</sup> -10°C - 50°C (14°F - 122°F)   4°C - 43°C (40°F - 110°F)     Humidity   5%~85% RH   Operating Rack Mount     Operating Altitude <sup>5</sup> 3000m (9,843 ft)   5%~85% RH     Operating Altitude <sup>5</sup> 3000m (9,843 ft)   10 to 85% RH (non-condensing)     State of Charge (SOC) 30%   Ingress Rating   IP55 (NEMA 3R)   IP20 (NEMA 1)     Noise Level @ 1m   75 dBA at 30°C (86°F)   < 40 dBA at 30°C (86°F)   < 40 dBA at 30°C (86°F)     Seismic Zone   4   Communication Ports   CAN2.0/RS485   Eattery Module Specifications     Battery Module Configuration   12s1p   12s1p   12s1p     Battery Module Nominal Capacity   100Ah   Marranty and Certification     Performance Warrant			
• Recommend   50A     • Nominal/Continuous   100A     • Peak Discharge (2 min @ 25°C)   125A     System Roundtrip Efficiency   90% (25C, 0.5C)     Product Dimensions (WxDxH)   76x107x226 cm (30x42x89 in)   58x58x218 cm (23x23x86 in)     Net Weight   950 kg (2,095 lbs)   773 kg (1,705 lbs)     Mounting Type   Outdoor Enclosure   Freestanding Rack Mount     Operating Temperature <sup>4</sup> -10°C - 50°C (14°F - 122°F)   4°C - 43°C (40°F - 110°F)     Humidity   5%-85% RH   3000m (9,843 ft)     Operating Altitude <sup>5</sup> 0000m (9,843 ft)   0000m (9,843 ft)     Operating Conditions <sup>6</sup> Up to 85% RH (non-condensing)   State of Charge (SOC) 30%     Ingress Rating   IP55 (NEMA 3R)   IP20 (NEMA 1)     Noise Level @ 1m   75 dBA at 30°C (86°F)   4     Communication Ports   CAN2.0/R5485     Battery Module Specifications   25.12kWh     Battery Module Renergy   51.12k     Battery Module Nominal Capacity   100Ah     Warranty and Certification   100Ah     Performance Warranty <sup>7</sup> 10 years or 196MWh Throughput			
• Peak Discharge (2 min @ 25°C)   125A     System Roundtrip Efficiency   90% (25C, 0.5C)     Product Dimensions (WxDxH)   76×107x226 cm (30x42x89 in)   58×58x218 cm (23x23x86 in)     Net Weight   950 kg (2,095 lbs)   773 kg (1,705 lbs)     Mounting Type   Outdoor Enclosure   Freestanding Rack Mount     Operating Temperature <sup>4</sup> -10°C - 50°C (14°F - 122°F)   4°C - 43°C (40°F - 110°F)     Humidity   5%-85% RH   3000m (9,843 ft)     Operating Altitude <sup>5</sup> 3000m (9,843 ft)   -4°F - 95°F     Storage Conditions <sup>6</sup> Up to 85% RH (non-condensing) State of Charge (SOC) 30%   IP20 (NEMA 1)     Noise Level @ 1m   75 dBA at 30°C (86°F)   < 40 dBA at 30°C (86°F)     Seismic Zone   4   Communication Ports   CAN2.0/RS485     Battery Module Specifications   12s1p   12s1p     Battery Module Configuration   12s1p   51.2V     Battery Module Nominal Voltage   51.2V   100Ah     Warranty and Certification   10 years or 196MWh Throughput     Performance Warranty <sup>7</sup> 10 years   10 years		50A	
• Peak Discharge (2 min @ 25°C)   125A     System Roundtrip Efficiency   90% (25C, 0.5C)     Product Dimensions (WxDxH)   76x107x226 cm (30x42x89 in)   58x58x218 cm (23x23x86 in)     Net Weight   950 kg (2,095 bs)   773 kg (1,705 lbs)     Mounting Type   Outdoor Enclosure   Freestanding Rack Mount     Operating Temperature <sup>4</sup> -10°C - 50°C (14°F - 122°F)   4°C - 43°C (40°F - 110°F)     Humidity   5%-85% RH   3000m (9,843 ft)     Operating Altitude <sup>5</sup> 3000m (9,843 ft)     -4°F - 95°F   4°C - 61°C (18°F - 95°F     Storage Conditions <sup>6</sup> Up to 85% RH (non-condensing)     State of Charge (SOC) 30%   IIP20 (NEMA 1)     Noise Level @ 1m   75 dBA at 30°C (86°F)   < 40 dBA at 30°C (86°F)     Seismic Zone   4   Communication Ports   CAN2.0/RS485     Battery Module Specifications   12s1p   12s1p     Battery Module Configuration   12s1p   51.2V     Battery Module Nominal Voltage   51.2V   100/Ah     Warranty and Certification   10 years or 196MWh Throughput     Performance Warranty <sup>7</sup> 10 years or 196MWh Throughput	Nominal/Continuous	100A	
System Roundtrip Efficiency90% (25C, 0.5C)Product Dimensions (WxDxH)76x107x226 cm (30x42x89 in)58x58x218 cm (23x23x86 in)Net Weight950 kg (2,095 lbs)773 kg (1,705lbs)Mounting TypeOutdoor EnclosureFreestanding Rack MountOperating Temperature4-10°C - 50°C (14°F - 122°F)4°C - 43°C (40°F - 110°F)Humidity5%-85% RHOperating Altitude 53000m (9,843 ft)Generating Conditions 6Up to 85% RH (non-condensing) State of Charge (SOC) 30%Ingress RatingIP55 (NEMA 3R)IP20 (NEMA 1)Noise Level @ 1m75 dBA at 30°C (86°F)< 40 dBA at 30°C (86°F)	Peak Discharge (2 min @ 25°C)		
Product Dimensions (WxDxH)76x107x226 cm (30x42x89 in)58x58x218 cm (23x23x86 in)Net Weight950 kg (2,095 lbs)773 kg (1,705lbs)Mounting TypeOutdoor EnclosureFreestanding Rack MountOperating Temperature <sup>4</sup> -10°C - 50°C (14°F - 122°F)4°C - 43°C (40°F - 110°F)Humidity5%-85% RHOperating Altitude <sup>5</sup> 3000m (9,843 ft)-4°F - 95°F4°C - 95°FStorage Conditions <sup>6</sup> Up to 85% RH (non-condensing) State of Charge (SOC) 30%Ingress RatingIP55 (NEMA 3R)IP20 (NEMA 1)Noise Level @ 1m75 dBA at 30°C (86°F)< 40 dBA at 30°C (86°F)Seismic Zone44Communication PortsCAN2.0/RS485Battery Module Specifications51.2VBattery Module Configuration12s1pBattery Module Nominal Voltage51.2VBattery Module Nominal Voltage51.2VBattery Module Nominal Capacity100AhWarranty and Certification10 years or 196MWh ThroughputProduct Warranty 710 years or 196MWh Throughput			
Net Weight950 kg (2,095 lbs)773 kg (1,705 lbs)Mounting TypeOutdoor EnclosureFreestanding Rack MountOperating Temperature4-10°C - 50°C (14°F - 122°F)4°C - 43°C (40°F - 110°F)Humidity5%-85% RH3000m (9,843 ft)Operating Altitude 53000m (9,843 ft)Operating Altitude 595% RH (non-condensing) State of Charge (SOC) 30%Ingress RatingIP55 (NEMA 3R)IP20 (NEMA 1)Noise Level @ 1m75 dBA at 30°C (86°F)< 40 dBA at 30°C (86°F)			
Mounting TypeOutdoor EnclosureFreestanding Rack MountOperating Temperature*-10°C - 50°C (14°F - 122°F)4°C - 43°C (40°F - 110°F)Humidity5%-85% RHOperating Altitude 53000m (9,843 ft)-4°F - 95°F-4°F - 95°FStorage Conditions 6Up to 85% RH (non-condensing) State of Charge (SOC) 30%Ingress RatingIP55 (NEMA 3R)IP20 (NEMA 1)Noise Level @ 1m75 dBA at 30°C (86°F)< 40 dBA at 30°C (86°F)Seismic Zone4Communication PortsCAN2.0/RS485Battery Module Specifications12s1p12s1pBattery Module Energy5.12kWh51.2VBattery Module Nominal Voltage51.2V100AhWarranty and Certification10 years or 196MWh ThroughputPerformance Warranty 710 years10 Years	Net Weight		
Humidity5%-85% RHOperating Altitude 53000m (9,843 ft)-4°F - 95°F-4°F - 95°FStorage Conditions 6Up to 85% RH (non-condensing) State of Charge (SOC) 30%Ingress RatingIP55 (NEMA 3R)Ingress RatingIP20 (NEMA 1)Noise Level @ 1m75 dBA at 30°C (86°F)Seismic Zone4Communication PortsCAN2.0/RS485Battery Module Specifications2Battery Module Energy5.12kWhBattery Module Nominal Voltage51.2VBattery Module Nominal Capacity100AhWarranty and Certification10 years or 196MWh ThroughputPerformance Warranty 710 years	Mounting Type	Outdoor Enclosure	Freestanding Rack Mount
Operating Altitude 53000m (9,843 ft)-4°F – 95°F-4°F – 95°FStorage Conditions 6Up to 85% RH (non-condensing) State of Charge (SOC) 30%Ingress RatingIP55 (NEMA 3R)Noise Level @ 1m75 dBA at 30°C (86°F)Seismic Zone4Communication PortsCAN2.0/RS485Battery Module Specifications12s1pBattery Module Energy5.12kWhBattery Module Inominal Voltage51.2VBattery Module Nominal Capacity100AhWarranty and Certification10 years or 196MWh ThroughputPerformance Warranty 710 years	Operating Temperature <sup>4</sup>	-10°C – 50°C (14°F – 122°F)	4°C – 43°C (40°F – 110°F)
Storage Conditions 6-4°F – 95°FStorage Conditions 6Up to 85% RH (non-condensing) State of Charge (SOC) 30%Ingress RatingIP55 (NEMA 3R)IP20 (NEMA 1)Noise Level @ 1m75 dBA at 30°C (86°F)< 40 dBA at 30°C (86°F)	Humidity	5%-85% RH	
Storage Conditions 6Up to 85% RH (non-condensing) State of Charge (SOC) 30%Ingress RatingIP55 (NEMA 3R)IP20 (NEMA 1)Noise Level @ 1m75 dBA at 30°C (86°F)< 40 dBA at 30°C (86°F)	Operating Altitude <sup>5</sup>		
State of Charge (SOC) 30%Ingress RatingIP20 (NEMA 1)Noise Level @ 1m75 dBA at 30°C (86°F)Seismic Zone4Communication PortsCAN2.0/RS485Battery Module Specifications12s1pBattery Module Configuration12s1pBattery Module Energy5.12kWhBattery Module Nominal Voltage51.2VBattery Module Nominal Capacity100AhWarranty and Certification10 years or 196MWh ThroughputProduct Warranty10 Years	Storage Conditions <sup>6</sup>		
Ingress RatingIP55 (NEMA 3R)IP20 (NEMA 1)Noise Level @ 1m75 dBA at 30°C (86°F)< 40 dBA at 30°C (86°F)			
Noise Level @ 1m75 dBA at 30°C (86°F)< 40 dBA at 30°C (86°F)			
Seismic Zone4Communication PortsCAN2.0/RS485Battery Module Specifications12s1pBattery Module Configuration12s1pBattery Module Energy5.12kWhBattery Module Nominal Voltage51.2VBattery Module Nominal Capacity100AhWarranty and Certification10 years or 196MWh ThroughputProduct Warranty10 Years			
Communication PortsCAN2.0/RS485Battery Module Specifications12s1pBattery Module Configuration12s1pBattery Module Energy5.12kWhBattery Module Nominal Voltage51.2VBattery Module Nominal Capacity100AhWarranty and Certification10 years or 196MWh ThroughputProduct Warranty10 Years			· · ·
Battery Module SpecificationsBattery Module Configuration12s1p12s1pBattery Module Energy5.12kWhBattery Module Nominal Voltage51.2VBattery Module Nominal Capacity100AhWarranty and Certification10 years or 196MWh ThroughputPerformance Warranty 710 yearsProduct Warranty10 Years		·	
Battery Module Configuration12s1p12s1pBattery Module Energy5.12kWhBattery Module Nominal Voltage51.2VBattery Module Nominal Capacity100AhWarranty and Certification10 years or 196MWh ThroughputPerformance Warranty 710 years or 196MWh ThroughputProduct Warranty10 Years		CAN2.0/KS485	
Battery Module Energy   5.12kWh     Battery Module Nominal Voltage   51.2V     Battery Module Nominal Capacity   100Ah     Warranty and Certification   10 years or 196MWh Throughput     Product Warranty   10 Years			
Battery Module Nominal Voltage   51.2V     Battery Module Nominal Capacity   100Ah     Warranty and Certification   10 years or 196MWh Throughput     Product Warranty   10 Years			
Battery Module Nominal Capacity   100Ah     Warranty and Certification   10 years or 196MWh Throughput     Performance Warranty   10 years or 196MWh Throughput     Product Warranty   10 Years	Battery Module Energy		
Warranty and Certification   Performance Warranty <sup>7</sup> 10 years or 196MWh Throughput   Product Warranty 10 Years			
Performance Warranty 7   10 years or 196MWh Throughput     Product Warranty   10 Years		100	Ah
Product Warranty 10 Years			
	Performance Warranty <sup>7</sup>		
Certifications     UL1973, UL9540, UL9540a, UN38.3, FCC, Prop 65	Certifications	UL1973, UL9540, UL9540a, UN38.3, FCC, Prop 65	

1. DC usable energy, test conditions: 90% DOD, 0.3C charge and discharge at 25°C. System usable energy may vary due to system configuration parameters.

2. For larger outdoor installations use the Sol-Ark Mega Ark.

3. Output current is affected by battery temperature and SOC.

4. Temperature is based on the average cell temperature as measured by the BMS. Battery charging is disabled below 0°C (32°F). Derating occurs above 45°C (113°F). For HVR model, operating temperature range only applies if using included climate controls. See Sol-Ark technical sales for planning outdoor sites.

5. Battery will operate at a maximum of 1C charge/discharge up to 2000m, above 2000m maximum output is derated to 0.8C, contact Sol-Ark for details.

6. Storage temperature of the battery with no charge or discharge

7. EOL (End of Life) 70% retained capacity. See L3 Series warranty document for details.