

Optimal design for the Best PV System

Photovoltaic Inverter

Specification >>

PRODUCT IMAGE



| MODEL | | LSP-S003L | LSP-S004L LSP-S005L | LSRP-T010L LSRP-T013L | LSRP-T017L LSRP-T020L | |
|------------------------------------|---|------------------|--------------------------|--|--------------------------|---------------------------|
| Electric Feature | Phase | 1 Phase | 1 Phase | 3 Phase | 3 Phase | |
| | Operating Method | On-Grid Type | On-Grid Type | On-Grid Type | On-Grid Type | |
| | Topology | Transformer-less | Transformer-less | Transformer-less | Transformer-less | |
| | Input (DC) | Max. Power | 3kW | 4kW/ 4.6kW | 12.0kW / 15.6kW | 20.4kW / 24kW |
| | | MPPT Range | 200V~440V | 200V~440V | 410~850V / 430~850V | 440~850V / 490~850V |
| | | Starting Voltage | 250V | 250V | 350V | 350V |
| | | Max. Voltage | 550V | 550V | 1000V | 1000V |
| | | Max. Current | 15.6A | 20.8A / 22.8A | 25A / 31A | 41.8A / 41A |
| | | Output (AC) | Rated Apparent Power | 3.16kVA | 4.2kVA / 4.6kVA | 10kVA / 13kVA |
| | Rated Power | | 3kW | 4kW / 4.37kW | 10.0kW / 13.0kW | 17kW / 20kW |
| | Rated Voltage | | 230V | 230V | 400V | 400V |
| | Rated Current | | 13A | 17.4A / 19A | 18A / 21A ¹⁾ | 29A / 29.2A ¹⁾ |
| | Frequency | | 50Hz/60Hz | 50Hz/60Hz | 50Hz/60Hz | 50Hz/60Hz |
| | Current distortion | | < 3.5% | < 3.5% | < 1.8% / < 2.5% | < 1.8% |
| Control Method | PWM | | PWM | PWM | PWM | |
| Power Factor | ≥ 0.99 | | ≥ 0.99 | 1 | 1 | |
| Max. Efficiency [Euro. Efficiency] | [96%] | [96%] | 98%[97.4%] 98%[97.5%] | 98.2% [97.8%] | | |
| System Feature | Size [W X H x D] | 378 x 578 x 172 | 378 x 578 x 172 | 535 X 601 X 225 [T010L] 535 X 601 X 277 [T013L] | 535 X 601 X 277 | |
| | Weight [kg] | TBD | TBD | 28.5kg / 32.2kg | 38.4kg | |
| | Cooling | Convection | Convection | Natural Convection | Natural Convection | |
| | Enclosure [Option] | IP65 | IP65 | IP65 | IP65 | |
| | Communication | RS485 | RS485 | Ethernet, RS485, temperature and isolation sensor | | |
| | Temperature | -20°C ~ 50°C | -20°C ~ 50°C | -25°C ~ 55°C | -25°C ~ 55°C | |
| Certificates & Standards | CE, IEC62109-1, IEC62109-2, IEC61000-6-1(EMS), IEC 61000-6-3(EMI), VDE 0126-1-1, VDE-AR-N 4105, AS4777 | | | CE, VDE V 0126-1-1, EN50438, UTE C15-712-1, VDE-AR-N 4105, VDE0124-100, CEI 0-21, G59/2, RD661, RD1699 | | |
| Protection | Input under/over voltage, Grid under/over voltage, Input/output over current, Grid frequency fault, System overheat, etc. | | | | | |

¹⁾ Max. AC Current

※ The design and technical spec. of the products can be changed for the improvement.

PRODUCT IMAGE



| MODEL | | LSKP-T099LT LSKP-T100LT | LSKP-T250LT LSKP-T250L | LSKP-T350L LSKP-T500L | LSKP-T350L(FRT) LSKP-T500L(FRT) | |
|------------------------------------|---|------------------------------|------------------------------|-------------------------------|------------------------------------|---------------------|
| Electric Feature | Phase | 3 Phase | 3 Phase | 3 Phase | 3 Phase | |
| | Operating Method | On-Grid Type | On-Grid Type | On-Grid Type | On-Grid Type | |
| | Topology | Transformer | Transformer-less | Transformer-less | Transformer-less | |
| | Input (DC) | Max. Power | 110kW | 275kW | 385W / 550kW | 385W / 550kW |
| | | MPPT Range | 450V~830V | 450V~830V | 450~830V / 550~830V | 450~830V / 550~830V |
| | | Starting Voltage | 600V | 600V | 600V / 700V | 600V / 700V |
| | | Max. Voltage | 1000V | 1000V | 1000V | 1000V / 1100V |
| | | Max. Current | 245A | 611A | 856A / 1091A | 856A / 1000A |
| | Output (AC) | Rated Apparent Power | 99kVA/ 100kVA | 250kVA | 350kVA / 500kVA | 350kVA / 500kVA |
| | | Rated Power | 99kW/ 100kW | 250kW | 350kW / 500kW | 350kW / 500kW |
| | | Rated Voltage | 380V | 380V / 290V | 290V / 370V | 290V / 370V |
| | | Rated Current | 151A | 380A / 498A | 697A / 780A | 697A / 780A |
| | | Frequency | 50Hz/60Hz | 50Hz/60Hz | 50Hz/60Hz | 50Hz/60Hz |
| | | Current distortion | < 3% | < 3% | < 3% | < 3% |
| | | Control Method | PWM | PWM | PWM | PWM |
| Power Factor | | ≥ 0.99 | ≥ 0.99 | ≥ 0.99 | ≥ 0.99 / ≥ 0.80 | |
| Max. Efficiency [Euro. Efficiency] | 96.7%[96.1%] 97.1%[96.5%] | 97.4%[96.9%] 98.1%[97.8%] | 98.3%[97.9%] 98.5%[98.2%] | 98.3% [97.9%] 98.5%[98.2%] | | |
| System Feature | Size [W X H x D] | 1200 x 2120 x 870 | 2400 X 2120 X 870 | 2400 X 2120 X 870 | 2400 X 2120 X 870 | |
| | Weight [kg] | 982kg / 1120kg | 2110kg / 1370kg | 1430kg / 1656kg | 1430kg / 1656kg | |
| | Cooling | Air Cooling | Air Cooling | Air Cooling | Air Cooling | |
| | Enclosure [Option] | IP21 | IP21 | IP21 | IP21 | |
| | Communication | RS485 / Ethernet / USB | RS485 / Ethernet / USB | RS485 / Ethernet / USB | RS485 / Ethernet / USB | |
| | Temperature | -20°C ~ 50°C | -20°C ~ 50°C | -20°C ~ 50°C | -20°C ~ 50°C | |
| Certificates & Standards | CE, RD1663, BDEW CGC, AS4777 | CE, RD1663, BDEW | CE | CE, RD1663, BDEW, CGC | | |
| Protection | Input under/over voltage, Grid under/over voltage, Input/output over current, Grid frequency fault, System overheat, etc. | | | | | |

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