QUICKLY FIELD REPLACEMENT AND UPGRADE

LONG STRINGS
- String length increased by up to 30%
- Fewer ROC components
- Faster installation

OPTIMIZATION
- Shade and angle tolerance
- Enhanced energy yield
- Greater design flexibility
- Inverter optimization
- Lower wire losses
- Full benefits of Optimization

SAFETY
- NEC 2016 690.12 rapid shutdown compliant
- Module-level Interconnection
- Automatic or manual shutdown
- Over-temperature protection
- Full benefits of monitoring

MONITORING
- Reduced O&M costs
- PV-2.0 data synchronization
- Module bar code tracking
- CRM integration
- Warranty tracking
- Fleet management

DIODES
- Similar to a standard junction box
- Standardization on basic 144 modules
- Applicable to conventional and smart modules
- Field replaceable and upgradable
- Isolate dissipation away from the module

This innovative module provides five levels of functionalities. Based on a universal platform, you can select the right functionality for each solar project, which is best for budget and performance.

ENHANCED J-BOX HEAT DISSIPATION CAPABILITY

By incorporating the diodes onto the removable covers of Junction Box, the reliability of module is greatly improved, dissipates less heat on the back sheet.

FULL COMPATIBILITY AND MULTIFUNCTIONAL SYSTEM

This innovative module is fully compatible with any inverter. The modules are wired together just like standard modules. If you select the modules with monitoring function or higher level functions, they will communicate wirelessly with the gateway. Then, the gateway transmits data wirelessly to the cloud connect which controls the array with the gateway and uploads data to Cloud.

270-285w

SERAPHIM SMART-Tigo

Seraphim delivers your smart energy needs, optimizes your project and ROI. The innovative module integrates a smart platform, which five different covers of Junction Box can fit onto.
SRP-6PB(-HV)

270-285w

MANAGEMENT SYSTEM
- BO 9001: Quality management system
- ISO 14001: Standard for environmental management system

WARRANTY
- 10 Years guarantee on product
- 25 Years guarantee on material and workmanship

Electrical Characteristics (STC)

- Maximum Power at STC: Pmax (W)
- Open Circuit Voltage: Voc (V)
- Maximum Power Current: Imp (A)
- Short Circuit Current: Isc (A)
- Maximum Power Voltage: Vmp (V)

Temperature Characteristics
- Isc Temperature Coefficient: -0.30 %/°C
- Voc Temperature Coefficient: +0.05 %/°C
- Pmax Temperature Coefficient: -0.36 %/°C

Other Specifications
- Maximum Series Fuse Rating: 30A
- Maximum System Voltage: 1000VDC / 1500VDC
- Operating Temperature: 45±2 °C
- Nominal Operating Cell Temperature (NOCT): 45±2 °C
- Insulation Resistance: 1GΩ (500VDC)
- Power Tolerance: ±0.5 %
- Root Mean Square (RMS) AC Voltage: 230V

Technical Drawing (SRP-XXX-6PB-HV)

- I-V Curve
- MPP Tracking

Mechanical Specifications
- Frame: Anodized aluminium
- Front Glass: 3.2 mm AR coating tempered glass, low iron
- Solar Cells: Poly crystalline 156.75 x 156.75 mm (60pcs)
- Weight: 17.5kg/18.0kg
- External Dimensions: 1640 x 992 x 35 mm/1650 x 992 x 35 mm

Mechanical Load
- Connector: MC4 Compatible
- Output Cables: 4.0 mm², cable length:1000 mm
- Junction Box: IP68
- Frame: 1640±2
- Front Glass: 942±2
- Solar Cells: 70±1
- Weight: 70±1
- Section A-A: 1:10
- Section B-B: 1:2
- Section C-C: 2:1
- Section D-D: 5:1
- Section E-E: 70

Solar Smart Platform
- Advanced smart platform
- Rapid shutdown
- Outstanding power output capability at low irradiance
- Quick field replacement and upgrade
- Triple 100% Electroluminescence (EL) tests minimize breakage rate
- Enhanced J-Box heat dissipation capacity

ADVANCED SMART PLATFORM

Seraphim delivers your smart energy needs, optimizes your project and ROI. This innovative module integrates a smart platform, which five different covers of Junction Box can fit onto.

DIODES

This smart solution gives you perfect user experience and customization, your solar projects can be optimized, monitored or safely protected, etc. Please enjoy Seraphim Smart Solutions!