



More generation



Single String- with even & odd panels



No 'Y'-Connector Required



Only 1 SPD & 1 fuse + fuse holder.



No parallel Command required

1 KW-6 KW Single Phase  
3KW-10KW Three Phase

## DATASHEET



|                                      | Single Phase (1KW – 6KW)             |     |    |         |      |          |      |      |      |     | Three Phase (3KW – 10KW)    |     |     |      |      |
|--------------------------------------|--------------------------------------|-----|----|---------|------|----------|------|------|------|-----|-----------------------------|-----|-----|------|------|
| Model (KSY)(KW)                      | 1                                    | 2   | 3  | 3.3/3.4 | 4    | 4.4      | 5    | 5.4  | 6    | 3   | 5                           | 6   | 8   | 10   |      |
| Input (DC)                           |                                      |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Max Peak DC Input Power (kW)         | 1.2                                  | 2.4 | 3  | 3.8     | 4.4  | 4.8      | 5.5  | 6    | 6    | 3.4 | 6                           | 7.2 | 9.6 | 11.5 |      |
| Max. DC I/P (V dc)                   | 550Vdc                               |     |    |         |      |          |      |      |      |     | 1000Vdc                     |     |     |      |      |
| Max. MPPT I/P Current (A)            | 20A                                  |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| MPPT Short Circuit Current (A)       | 26A                                  |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| MPPT Tracking Voltage (Vdc)          | 70-550V                              |     |    |         |      |          |      |      |      |     | 200-1000Vdc                 |     |     |      |      |
| Min. Start Voltage (V)               | 50Vdc                                |     |    |         |      | 100Vdc   |      |      |      |     | 150Vdc                      |     |     |      |      |
| Number of MPPT Tracker               | 1                                    |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Strings per MPPT Trackers            | 1                                    |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Output (AC)                          |                                      |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Rated output power (kW)              | 1                                    | 2   | 3  | 3.4     | 4    | 4.4/ 4.6 | 5.0  | 5.2  | 5.4  | 6   | 3                           | 5   | 6   | 8    | 10   |
| Rated Grid Voltage (V)               | 230V ( 140V - 300V)                  |     |    |         |      |          |      |      |      |     | 380V/400/415V (300V - 500V) |     |     |      |      |
| Nominal Grid Freq.(Hz)               | 50Hz / 60Hz ( 47-52Hz) / (57-62Hz)   |     |    |         |      |          |      |      |      |     | 50Hz / 60Hz                 |     |     |      |      |
| Max. output Current AC (A)           | 4.3                                  | 8.6 | 13 | 14.7    | 18.2 | 20       | 21.7 | 22.6 | 23.4 | 26  | 4.3                         | 7.2 | 8.6 | 11.5 | 14.5 |
| AC Connection (With PE)              | P + N + E                            |     |    |         |      |          |      |      |      |     | 3P + N + E                  |     |     |      |      |
| THDI (%)                             | <3% (At Rated Power)                 |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Output Power Factor (%)              | 0.8 Leading... 1... 0.8 Lagging      |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Efficiency                           |                                      |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Max. Conversion Eff.(%)              | 98.0                                 |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Max. Euro Efficiency (%)             | 97.5                                 |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Protection                           |                                      |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Anti-Islanding Protection            | Yes Integrated                       |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Insulation Resistance Detection      | Yes Integrated                       |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Residual Current Monitoring          | Yes Integrated                       |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Over Voltage Protection              | Yes Integrated                       |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| DC Switch                            | Optional                             |     |    |         |      |          |      |      |      |     | Inbuilt                     |     |     |      |      |
| Surge Protection                     | MOV / SPD / Filters                  |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| General Data                         |                                      |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Dimensions(W*H*D) mm                 | 393×328×154mm                        |     |    |         |      |          |      |      |      |     | 425*351*160mm               |     |     |      |      |
| Weight (Kg)                          | 10Kg                                 |     |    |         |      |          |      |      |      |     | 13.7Kg                      |     |     |      |      |
| Noise Emission (db)                  | <30dB                                |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Display                              | LED with LCD Display                 |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| DC Connection Type                   | MC-4                                 |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| AC Connection Type                   | Plug in Connector / Wire cables      |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Communication Interface              | WiFi/ GPRS/ RS 485                   |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Cooling Method                       | Natural Convection/Smart Fan Cooling |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Operating Ambient                    | -25 C - +60°C                        |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Relative Humidity                    | 0% - 100%                            |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Max. Operating Altitude(m)           | 2000 (>2000 Derating)                |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Protection Class                     | IP65                                 |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Night Stand By Power Consumption (w) | <1                                   |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |
| Standard Warranty                    | 8 Year                               |     |    |         |      |          |      |      |      |     |                             |     |     |      |      |

BIS, IEC 62109 -1/2, IEC 61727, IEC 61683, IEC 60068, IEC 62116, IEC 61000 EMC

\*Note - All specification are subject to change without notice due to continuous upgradation in Modules Wp capacity