



Inbuilt AC/ DC, SPDS, with fuse etc.



Suitable for high watt peak panels
Mono Perc, TOPCon & Bifacial with 30Amp.



High DC Voltage Range (1500vdc
with max efficiency 98.9%)



IP66 Dynamic intelligent cooling



SVG Feature, Lowest DC Ripple,
Redundant power Supply

225KW-250KW Three Phase

DATASHEET



| | Three Phase (225KW - 250KW) | |
|--------------------------------------|---|---------|
| Model (KSY)(KW) | 225 | 250 |
| Input (DC) | | |
| Max Peak DC Input Power (kW) | 270 | 300 |
| Max. DC I/P (V dc) | 1500Vdc | |
| Max. MPPT I/P Current (A) | 30A | |
| MPPT Short Circuit Current (A) | 45A | |
| MPPT Range Full Load | 820-1320 | |
| Min. Start Voltage (V) | 500V | |
| Number of MPPT Tracker | 12 | |
| Strings per MPPT Trackers | 2 | |
| Strings Level Monitoring | Inbuilt | |
| Output (AC) | | |
| Rated output power (kw) | 225 | 200-250 |
| Rated Grid Voltage (V) | 800V (680V - 880V) | |
| Nominal Grid Freq.(Hz) | 50Hz/60Hz | |
| Max. output Current AC (A) | 162 | 180.0 |
| AC Connection (With PE) | 3P + PE | |
| THDI (%) | <3% (At Rated Power) | |
| Output Power Factor (%) | >0.99 (0.8 Leading ~ 0.8 Lagging) | |
| Efficiency | | |
| Max. Conversion Eff.(%) | >97 | |
| Max. Euro Efficiency (%) | 98.2 | |
| General Data | | |
| Dimensions(W*H*D) mm | 1090 x 809 x 337.5mm | |
| Weight (Kg) | 115kg | |
| Noise Emission (db) | <30dB | |
| Display | IP66 LED Indications | |
| DC Connection Type | MC-4 | |
| AC Connection Type | Terminal Block | |
| Communication Interface | RS 485 / PLC | |
| Cooling Method | Intelligent Force Cooling + Natural Cooling | |
| Operating Ambient | - 25°C - +60°C | |
| Relative Humidity | 0% - 100% | |
| Max. Operating Altitude(m) | 4000m (>3000m Derating) | |
| Protection Class | IP66 | |
| Night Stand By Power Consumption (w) | <10W | |
| Standard Warranty | 8 Years | |
| Protection | | |
| Safety Standard | Yes Integrated | |
| Anti-Islanding Protection | Yes Integrated | |
| Insulation Resistance Detection | Yes Integrated | |
| Residual Current Monitoring | Yes Integrated | |
| DC Switch | Supported | |
| Surge Protection | DC/AC : Type II | |

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