

Three Phase PV String Inverter

60 KW- 125 KW



Inbuilt AC/DC SPD's with DC fuse (Mega) etc..



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



IP65 & IP66 Dynamic intelligent cooling & String level monitoring.



100% Inhouse R&D, Production & testing Facility at Pune.



Individual String Level Monitoring
RMS Available

	SWY60KW	SWY70KW	SWY75KW	SWY80KW	SWY100KW	SWY110KW	SWY125KW
Input (DC)							
Max. Input Power	72kW	84kW	90kW	96kW	130kW	132kW	137.5kW
Max. Input Voltage				1100V			
Start Voltage				250V			
Rated Input Voltage	600V				620V		
Full-load MPPT Voltage Range	530V ~ 850V						
MPPT Voltage Range	200V ~ 1000V				180V ~ 1000V		
Number of MPPT Trackers	4			4	9	10	9
Number of string per MPPT	3 / 3 / 3 / 3		4 / 3 / 3 / 4		2		
Max. Short Circuit Current per MPPT	39A		48A & 36A		30A		40A
Max. Short Circuit Current per MPPT	48A		60A & 45A		40A		50A
Output (AC)							
Max. Output Current	86.70A	101.1A	108.3A	115.60A	158.8A	174.6A	180.63A
Rated Output Power	60kW	70kW	75kW	80kW	100kW	110kW	125kW
Max. Output Power	66kW	77kW	82.5kW	88kW	110kW	121kW	137.5kW
Rated Grid Frequency	50Hz / 60Hz						
Rated Grid Voltage	230Vac / 400Vac, 3L / N / PE, 3L / PE						
Power Factor	>0.99 (0.8 leading ~ 0.8 lagging)						
THDi	<3% (Rated Power)						
Efficiency							
Max. Efficiency	98.70%						
European Efficiency	98.50%						
MPPT Efficiency	99.90%						
Protection							
DC reverse polarity protection				Yes			
Anti-islanding protection				Yes			
AC short circuit protection				Yes			
Residual current monitoring unit				Yes			
Insulation resistance monitoring				Yes			
Ground fault monitoring				Yes			
Grid monitoring				Yes			
PV string monitoring				Yes			
Surge protection				Type II			
AFCI protection				Optional			
Communication							
Display	LCD / LED+APP						
Communication	Standar : RS485 Optional : WiFi / Bluetooth						
Standard Compliance							
Certification	IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, IEC/EN 61000-6-2/4, IEC61727/IEC62116,						
General Data							
Dimensions (W x H x D)				1050 x 660 x 330 mm			
Weight	50kg	95kg		98kg	101kg		
Operating Temperature Range	-30°C ~ +60°C						
Cooling Method	Smart forced air cooling						
Protection Degree	IP66						
Max. Operating Altitude	4000m						
Relative Humidity	0 ~ 100%						
Topology	Transformerless						
Night Power Consumption	<1W						