

Comparison Between Flin Solar Inverters

										
Series Name	FlinSlim MPPT			FlinMarvel	FlinFuzion MPPT		FlinInfini Lite	FlinInfini Turbo	FlinInfini	
Model Name	FlinSlim MPPT Ultimate 5kVA-48V	FlinSlim MPPT Elite 7.2kVA-48V	FlinSlim MPPT Elite 8kVA-48V	FlinMarvel 5.6kVA-48V	FlinFuzion MPPT 3kVA-24V	FlinFuzion MPPT 5kVA-48V	FlinInfini Lite 4kW-48V	FlinInfini Turbo 5.6kW-48V	FlinInfini 15kW-48V	
Type	Off-Grid without Net Metering						Hybrid With Net Metering Feature			
Controller Type	MPPT									
Phase	Single Phase with Parallel Option Configurable in Three Phase by connecting three inverters in parallel				Single Phase without parallel option		Single Phase with Parallel Option Configurable in Three Phase by connecting three inverters in parallel		Three Phase	
Maximum Load Capacity	5kW	7.2kW	8kW	5.6kW	3 kW	5 kW	4 kW	5.6kW	15 kW	
I/P Rating	IP-21									
Load Sharing	Solar & Grid Solar & Battery									
Warranty	2 years - extendable to 5 years								2 Years	
Minimum Solar Array Capacity	600W	2000W			1000W	2000W	600W	2000W	3500W	
Maximum Solar Array Capacity	4kW	8kW		6kW	3 kW	5 kW	4 kW	6.5kW	22 kW	
Battery Voltage	48V				24V	48V	48V			
Connect Multiple Inverters in Parallel Single/Three Phase	Up-to 9 Inverters	Up-to 6 Inverters		Up-to 9 Inverters	N/A		Up-to 9 Inverters		Up-to 6 Inverters	
Batteries Required or Optional	Batteries Compulsorily	Optional					Batteries Compulsorily Required	Optional		
Compatible Batteries	Lead Acid Lithium LiFePo4	Lead Acid Lithium, LiFePo4 With discharge current limiting option			Lead Acid Lithium LiFePo4					
Net Metering / Export Feature	N/A						Yes			
Transfer Time	0ms	10ms (UPS Mode); 20ms (APL Mode)								
Monitoring	Inbuilt WiFi Monitoring						Software Based	Inbuilt WiFi Monitoring	Software Based	
Communication		RS 232, USB RS 485 (BMS)					RS 232 USB	RS 232, USB RS 485 (BMS)	RS 232 USB	
Timer for Load Priority and Battery Charging		Available				N/A				
Dual Output Feature To run Emergency and Non-emergency Loads	N/A							Yes	N/A	
KWh Meter	In-Built				N/A		In-Built			
Recommended Applications	1) Petrol Pumps 2) Commercial Set Up 3) Schools 4) Hospitals 5) ATMs 6) Banks 7) Residential	1) Petrol Pumps 2) Small Commercial Set Up 3) Schools 4) Dairy Farms 5) Cold Storage 6) Residential	1) Petrol Pumps 2) Small Commercial Set Up 3) Schools 4) Dairy Farms 5) Cold Storage 6) Residential 7) To use with same solar panels being used for Solar Water Pumps with DC Changeover	1) Residential 2) Small Shops 3) To use with same solar panels being used for Solar Water Pumps with DC Changeover	1) Residential 2) Small Shops 3) To use with same solar panels being used for Solar Water Pumps with DC Changeover	1) Residential 2) Commercial Set Up	1) Small Commercial Set Up 2) Schools 3) Dairy Farms 4) Cold Storage 5) Residential 6) To use with same solar panels being used for Solar Water Pumps with DC Changeover	1) Three Phase Applications 2) Commercial Set-Ups 3) Villas and Resorts 4) Palatial Farm Houses		