Comparison Between Flin Energy Solar Inverters

Model No	**FK-5kW**	**FT-4KW**	**FT-5KW**	**FT-6KW**	**FTP-6KW**	**FT-8KW**	**FT-11KW**
Model Name	**FlinSlim MPPT Ultimate 5kVA-48V**	**FlinSlim MPPT Elite 4kW-24V**	**FlinSlim MPPT Elite 5kW-48V**	**FlinInfini Turbo 6kW-48V**	**FlinInfini Turbo Plus 6kW-48V**	**FlinSlim MPPT Elite 8kW-48V**	**FlinSlim MPPT Elite 11kW-48V**
Type	**Off-Grid**						
Controller Type	**MPPT**						
Phase	**Single Phase with Parallel Option Configurable in Three Phase by connecting three inverters in parallel**	Single phase	Single phase	Single Phase with Parallel Option Configurable in Three Phase by connecting three inverters in parallel			
Maximum Load Capacity	**5kW**	4kW	5kW	6kW	6.6kW	8kW	11kW
I/P Rating	IP-21				**IP-66**	IP-21	
Load Sharing	Solar & Grid Solar & Battery						
Warranty	5 years with Flin Accessories						
MPPT Range (V)	60-115V (Min 900V required to start solar geneartion)	120V-450V (Min 200V required to start solar generation)					
Maximum Solar Array Capacity	4kW	5kW	6kW	6kW	**12kW**	10kW	12kW
Battery Voltage	48V	24V	48V				
Connect Multiple Inverters in Parallel Single/Three Phase	**Up-to 9 Inverters**	N/A	N/A	**Up-to 9 Inverters**		**Up-to 6 Inverters**	
Batteries Required or Optional	**Batteries Compulsory**						
Compatible Batteries	**Lead Acid Lithium LiFePo4**						
Net Metering / Export Feature	**Not Available**						
Transfer Time	**0ms**						
Monitoring	**Inbuilt WiFi Monitoring**						
Communication	**RS 232, USB, RS 485 (BMS), CAN (BMS)**						
Timer for Load Priority and Battery Charging	N/A	**Available**		N/A	**Available**		
Dual Input Feature To connect grid and generator	N/A				**Yes**		
Dual Ouput Feature To run Emergency and Non-emergency Loads	N/A			**Yes**			
KWh Meter	**In-Built**	**In-Built**					
Recommended Applications	1) Residential 2) Small Shops 3) **Sensitive loads like ATMs** 4) **Banks** 5) **Medical Facilities**	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) Small Commercial Set up 4) **To use with same solar panels being used for Solar Water Pumps with DC Changeover**	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) Commercial Set Up 2) Schools 3) Dairy Farms 4) Cold Storage 5) Residential 6) **Hospitals** 7) Farm Houses 8) Off-Grid locations 9) **Outdoor applications**	1) Petrol Pumps 2) Small Commercial Set Up 3) Schools 4) **Dairy Farms** 5) **Cold Storage** 6) Residential	1) Petrol Pumps 2) Medium Commercial Set Up 3) **Schools** 4) Dairy Farms 5) Cold Storage 6) Residential 7) **Farm Houses**