



# Flin Energy

## FlinSlim MPPT Elite 4kW-24V Solar Hybrid Inverter Specifications

| MODELS   | 4kW-24V  |
|--|--|
| <b>MODEL NO</b>  | FT-4kW   |
| <b>RATED POWER</b>   | 4000 VA / 4000 W   |
| <b>INPUT</b>   |  |
| <b>Voltage</b>   | 230 VAC  |
| <b>Selectable Voltage Range</b>                                      | 170-280 VAC (For UPS Mode);<br>90-280 VAC (For Appliance Mode) |
| <b>Frequency Range</b>   | 50 Hz/60 Hz (Auto sensing)                                     |
| <b>OUTPUT - Off-Grid Operation</b>                                   |  |
| <b>AC Voltage Regulation (Batt. Mode)</b>                            | 230 VAC $\pm$ 5%   |
| <b>Surge Power (for 5 seconds)</b>                                   | 8000 VA  |
| <b>Efficiency (Peak)</b>   | 90-93%   |
| <b>Transfer Time</b>   | 15 ms (For UPS Mode); 20 ms (For Appliance Mode)               |
| <b>Waveform</b>  | Pure Sine Wave   |
| <b>OUTPUT - Grid-Tie Operation</b>                                   |  |
| <b>AC Voltage Regulation (Batt. Mode)</b>                            | 230 VAC $\pm$ 5%   |
| <b>Output Voltage Range</b>  | 195.5 - 253VAC (Selectable)                                    |
| <b>Output Frequency Range</b>  | 49 Hz - 51 Hz  |
| <b>BATTERY</b>   |  |
| <b>Battery Voltage</b>   | 24 VDC   |
| <b>Floating Charge Voltage</b>                                       | 27 VDC   |
| <b>Overcharge Protection</b>   | 33 VDC   |
| <b>SOLAR CHARGER &amp; AC CHARGER</b>                                |  |
| <b>Solar Charger Type</b>  | MPPT   |
| <b>Maximum PV Array Power</b>  | 5000 W   |
| <b>MPPT Voltage Range</b>  | 120 - 450 VDC  |
| <b>Max PV Open Circuit Voltage</b>                                   | 500 VDC  |
| <b>Maximum PV Charge Current</b>                                     | 120A   |
| <b>Maximum AC Charge Current</b>                                     | 100A   |
| <b>Maximum Charge Current</b>  | 120A   |
| <b>PHYSICAL &amp; COMMUNICATION</b>                                  |  |
| <b>Dimension (D x W x H) mm</b>                                      | 115 x 300 x 400  |
| <b>Net Weight (kgs)</b>  | 9 kgs  |
| <b>Communication</b>   | USB/RS485/RS232/Dry-Contact/WiFi                               |
| <b>OPERATING ENVIRONMENT</b>   |  |
| <b>Humidity</b>  | 5% to 95% Relative Humidity (Non-condensing)                   |
| <b>Operating Temperature</b>   | -10°C - 50°C   |
| <b>Storage Temperature</b>   | -15°C - 60°C   |
| <b>COMPLIANCE</b>  |  |
| <b>Certifications</b>  | BIS, CE  |
| *Product specifications are subject to change without further notice |  |